

Наличие и актуальные цены на

BIC-2200-24CAN

https://www.meanwell.ru/store/BIC-2200-24CAN/



AC---DC Bidirectional Power Supply with Energy Recycle Function

BIC-2200 series

Dimension L * W * H 330 * 140 * 41 (1U) mm 13 * 5.5 * 1.61(1U) inch	User's Manual	Video
Parallel (PC c Us		vtomate

ノしててる LIIL / L BS EN/EN62368-1 TPTC004 BS EN/EN62477-1 IEC62368-1 IEC62477-1 UL62368-1

Features

- 1U low profile design
- Full digital design with 93% conversion efficiency for both AC/DC and DC/AC conversion
- Ultrafast switching time between AC/DC and DC/AC of 1ms
- CB/TUV/UL 62368-1 and CB/TUV 62477-1 certified
- Active current sharing up to 19800W (up to 9 unit)
- <3% Low THDi in both conversion mode</p>
- · Force charging and discharging mode with CANBus model
- · Complete protections: Anti-islanding protection, AC fail protection, DC OVP, OLP, OCP, OTP
- Apply BIC-2200 to a three-phase AC power system
- 5 years warranty

Description

Applications

- · Battery cell formation & grading
- V2G (Vehicle-to-grid) system
- · Marine battery charger module
- Electric scooter or vehicle charger station
- Kinetic energy recovery system
- · Electrolysis system
- Wastewater treatment system

GTIN CODE

MW Search: https://www.meanwell.com/serviceGTIN.aspx

The BIC-2200 is a 2.2KW bidirectional power supply with energy recycle function. It is fully digital and 1U height designed. It is designed to control the power transferred from AC grid to DC and DC to AC grid for energy recycle. The implementation of a bidirectional power supply of the BIC-2200 allows battery manufactures to charge the battery from AC grid and recycle the DC energy back into AC grid in one single unit. With built-in functions such as active current sharing, remote ON/OFF control and CANBus model available, the BIC-2200 provides vast design flexibility for battery formation & test equipment, V2G(Vehicle-to-grid) system, charging station, laser system and kinetic recovery system.

Model Encoding / Order Information

BIC	- 2200 - 12
t	Communication protocol option
	Output voltage(12V/24V/48V/96V)
	Output wattage
	Series name

Туре	Communication Protocol	Note
Blank	None protocol	In Stock
CAN	CANBus protocol	In Stock



BIC-2200 series

SPECIFICATION

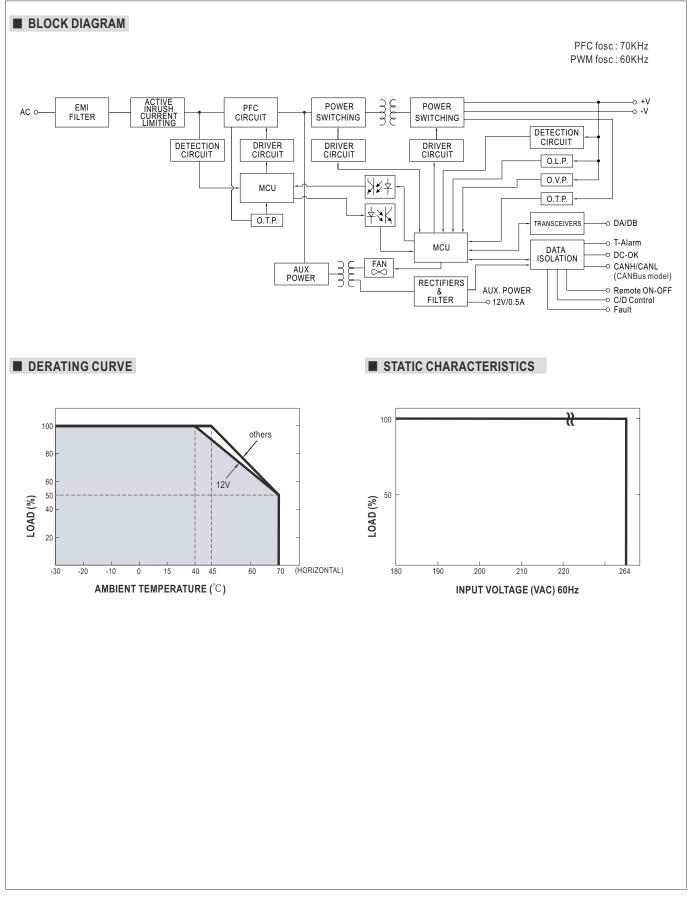
		BIC-2200-12	BIC-2200-24	BIC-2200-48	BIC-2200-96						
	DC VOLTAGE	12V	24V	48V	96V						
	RATED CURRENT	180A	90A	45A	22.5A						
	RATED POWER	2160W									
	FULL POWER VOLTAGE RANGE	12 ~ 15V	24 ~ 28V	48 ~ 65V	96 ~ 112V						
	RIPPLE & NOISE (max.) Note.2	160mVp-p	260mVp-p	300mVp-p	480mVp-p						
OUTPUT	VOLTAGE ADJ. RANGE	10 ~ 15V	19 ~ 28V	38 ~ 65V	76 ~ 112V						
	CURRENT RANGE	0 ~ 180A	0~180A 0~90A 0~45A 0~22.5A								
	VOLTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%						
	LINE REGULATION	±0.5%	±0.5%								
2	LOAD REGULATION	±0.5%	±0.5%	$\pm 0.5\%$	±0.5%						
	SETUP, RISE TIME	1800ms, 60ms/230VAC at full	load								
	AC VOLTAGE RANGE	180 ~ 264VAC									
	FREQUENCY RANGE	47 ~ 63Hz									
	POWER FACTOR (Typ.)	0.98/230VAC at full load									
	EFFICIENCY (Typ.) Note.5	90%	93%	93%	93%						
INPUT	AC CURRENT (Typ.)	11A/230VAC									
	INRUSH CURRENT (Typ.)	COLD START 35A/230VAC									
	LEAKAGE CURRENT	<2mA/230VAC									
	TOTAL HARMONIC DISTORTION	<3%(@load=100%/230VAC)									
	RATED INPUT POWER	1800W									
INPUT	FULL POWER VOLTAGE RANGE		24 ~ 28V	48~65V	96 ~ 112V						
(Note.4)	DC VOLTAGE RANGE	10~15V	19~28V	38 ~ 65V	76 ~ 112V						
	MAX. INPUT CURRENT	150A	75A	37.5A	18.75A						
·	OUTPUT POWER (Typ.) (@240V)	1685W	1720W	1720W	1685W						
	VOLTAGE RANGE	180 ~ 264VAC determined by									
!	FREQUENCY RANGE	47 ~ 63Hz determined by AC									
OUTPUT	AC CURRENT (Typ.)	7.5A/230VAC									
	POWER FACTOR (Typ.)	0.99/230VAC at full load									
	EFFICIENCY (Typ.) Note.5	90.5%	93%	93%	93%						
	TOTAL HARMONIC DISTORTION	<3%(@load=100%/230VAC)	3370	5570	0070						
	TOTAL TIAKMONIC DISTORTION	105 ~ 115% rated output power	or								
				Itaga E ana offer DC O/P	voltago io down low, ro nowor on to ropovo						
	OVER LOAD			itage 5 sec. alter DC O/P	voltage is down low, re-power on to recove						
		DC to AC Not accurable wit									
ROTECTION	SHORT CIRCUIT	Shut down O/P current, re-por									
	OVER VOLTAGE	17.6 ~ 20.8V	33.6 ~ 39.2V	72.6 ~ 86V	134 ~ 157V						
		Protection type : Shut down C									
	OVER TEMPERATURE	Shut down O/P voltage, recov	ers automatically after tempe	rature goes down							
	ISLANDING PROTECTION	Shut down AC O/P voltage, r	e-power on to recover								
	REMOTE ON-OFF CONTROL	By electrical signal or dry con	tact Short: Power ON O	pen: Power OFF Pleas	se refer to the Function Manual infollowing						
	BIDIRECTION SWITCH TIME (Typ.)	1ms									
	ALARM SIGNAL	Isolated TTL signal output for T-Alarm, DC-OK and Fault. Please refer to the Function Manual in following pages									
UNCTION	AUXILIARY POWER	12V@0.5A tolerance±5%, ripple 150mVp-p									
ONCTION		160A									
			80A	40A	20A						
	BATTERY MODE RATED	AC to DC Can be adjusted b		40A	20A						
	BATTERY MODE RATED CURRENT(default) Note.7	AC to DC Can be adjusted b		40A 32A	20A 16A						
		AC to DC Can be adjusted b DC to AC Can be adjusted b	y communication 64A y communication								
		AC to DC Can be adjusted b	y communication 64A y communication								
	CURRENT(default) Note.7	AC to DC Can be adjusted b DC to AC Can be adjusted b	y communication 64A y communication ng Curve")								
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP.	AC to DC Can be adjusted b DC to AC -30 ~ +70°C (Refer to "Derati	y communication 64A y communication ng Curve")								
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY	AC to DC Can be adjusted b DC to AC -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing	y communication 64A y communication ng Curve")								
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY		y communication 64A y communication ng Curve") g on-condensing	32A							
INVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl 10 ~ 100 min./1cycl	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a	32A	16A						
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1,TUV BS I	32A	16A						
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV	e, 60min. each along X, Y, Z a SA C22.2 No.62366-1, TUV BS I /AC O/P-FG:500VAC	32A 32A ixes EN/EN62368-1, EAC TP TC							
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH nc ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV	e, 60min. each along X, Y, Z a SA C22.2 No.62366-1, TUV BS I /AC O/P-FG:500VAC	32A 32A ixes EN/EN62368-1, EAC TP TC	16A						
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not 20 ~ 90% RH not U = 030%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P, I/P-FG, O/P-FG:1001 BS EN/EN55032	e, 60min. each along X, Y, Z a SA C22.2 No.62366-1, TUV BS I /AC O/P-FG:500VAC	32A 32A ixes EN/EN62368-1, EAC TP TC	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app						
INVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH nc ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV	y communication 64A y communication ng Curve") g n-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1,TUV BS I /AC 0/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard	32A 32A ixes EN/EN62368-1, EAC TP TC % RH	004, IEC62477-1, TUV BS EN/EN62477-1 app						
INVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-O/P:3KVAC I/P-FG.2KN BS EN/EN55032 Parameter	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1,TUV BS I /AC 0/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 32 (CISPR32)	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Test Level / Note Class A						
INVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG; XVAC I/P-O/P:3KVES5032 Parameter Conducted Radiated	y communication 64A y communication ng Curve") g- n-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1, TUV BS SA C22.2 No.62368-1, TUV BS SA C22.2 No.62368-1, TUV BS (AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550 BS EN/EN550	32A 32A EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32)	004, IEC62477-1, TUV BS EN/EN62477-1 app Test Level / Note Class A Class A						
INVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no -40 ~ +85°C, 10 ~ 95% RH no ± 0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG; 2KV I/P-O/P:3KVAS2 Parameter Conducted Radiated Harmonic Current 10	y communication 64A y communication ng Curve") g- pn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1,TUV BS /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN560	32A 32A EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2	004, IEC62477-1, TUV BS EN/EN62477-1 app Test Level / Note Class A Class A Class A						
ENVIRONMENT	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no. -40 ~ +85°C, 10 ~ 95% RH no. -500 Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-FG:2KV I/P-O/P:3KVAC I/P-FG:2KV BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a cSA C22.2 No.62368-1,TUV SS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN550 BS EN/EN560 BS EN/EN610 BS EN/EN610	32A 32A EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2	004, IEC62477-1, TUV BS EN/EN62477-1 appr Test Level / Note Class A Class A						
	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH nc ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-FG;2KV I/P-O/P;3KVAC I/P-FG;2KV I/P-O/P; I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN550 BS EN/EN5610 51000-6-2	32A 32A EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Test Level / Note Class A Class A Class A Class A						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH nc ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P, I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter Flicker	scommunication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550 BS EN/EN560 BS EN/EN560 BS EN/EN610 BS EN/EN610 G1000-6-2 Standard	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2 00-3-3	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Class A Class A Class A Class A Class A						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P, I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD	y communication 64A y communication ng Curve") g sn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN560 BS EN/EN610 BS EN/EN610 S1000-6-2 BS EN/EN610	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2 00-3-3 00-4-2	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Class A Class A Class A Class A Class A Class A Class A Level / Note Level 3, 8KV air ; Level 2, 4KV contact						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C U/P-O/P:JKVAC I/P-FG:2KV I/P-O/P:JKVAC I/P-FG:2KV I/P-O/P, I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/ENG Parameter ESD Radiated Radiated	9 communication 64A y communication ng Curve") 9 nn-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70' Standard BS EN/EN550 BS EN/EN500 BS EN/EN500 BS EN/EN500 BS EN/EN500 BS EN/EN6100 BS EN/EN6100 BS EN/EN6100 BS EN/EN6100 BS EN/EN6100 BS EN/EN6100	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2 00-3-3 00-4-2 00-4-3	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD Radiated EST / Burst	64A y communication 64A y communication ng Curve") g pn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1,TUV BS I AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN550 BS EN/EN510 S1000-6-2 Standard BS EN/EN610 BS EN/EN610 BS EN/EN610 BS EN/EN610 BS EN/EN610 BS EN/EN610	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 00-3-2 000-3-3 000-4-2 000-4-3 000-4-4	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG; 2KV I/P-O/P:3KVAC I/P-FG:2KV BS EN/EN55032 Parameter BS EN/EN55035, BS EN/ENG Parameter ESD Radiated EST / Burst Surge Surge	scommunication 64A y communication ng Curve") g sn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN560 BS EN/EN610 S1000-6-2 Standard BS EN/EN610	32A 32A 32A 32A 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 332 (CISPR32) 00-3-2 00-3-3 00-4-2 00-4-3 00-4-4 00-6-2	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Class A Class A Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 2KV/Line-Line 4KV/Line-Earth						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P; I/P-FG, 0/P-FG:1001 BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55055, BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Surge	scommunication 64A y communication ng Curve") g pn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN550 BS EN/EN500 BS EN/EN500 BS EN/EN6100	32A 32A 32A 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 00-3-2 00-3-3 00-4-2 00-4-3 00-4-4 00-6-2 00-4-6	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contac Level 3 Level 3 Level 3 Level 3						
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SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC IMMUNITY	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P, I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/ENG Parameter Conducted Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption	scommunication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70° Standard BS EN/EN550 BS EN/EN560 BS EN/EN610	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 322 (CISPR32) 322 (CISPR32) 00-3-2 00-3-2 00-3-3 00-4-2 00-4-3 00-4-4 00-6-2 00-4-6 000-4-8 000-4-11	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods						
SAFETY & EMC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC IMMUNITY MTBF	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:1/P-FG, O/P-FG:1001 BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/ENE Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia	9 communication 64A y communication ng Curve") g pn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1,TUV BS I AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/70° Standard BS EN/EN550 BS EN/EN550 BS EN/EN550 BS EN/EN510 S1000-6-2 Standard BS EN/EN610	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 322 (CISPR32) 322 (CISPR32) 00-3-2 00-3-2 00-3-3 00-4-2 00-4-3 00-4-4 00-6-2 00-4-6 000-4-8 000-4-11	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods						
SAFETY & EMC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P; I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/ENG Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H)	y communication 64A y communication ng Curve") g n-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70' Standard BS EN/EN500 BS EN/EN500 BS EN/EN5100 BS EN/EN6100 BS EN/EN61000 BS EN/EN61000 BS EN/EN61000000000000000000000000000000000000	32A 32A ixes EN/EN62368-1, EAC TP TC % RH 322 (CISPR32) 322 (CISPR32) 00-3-2 00-3-2 00-3-3 00-4-2 00-4-3 00-4-4 00-6-2 00-4-6 000-4-8 000-4-11	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods						
SAFETY & EMC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC IMMUNITY MTBF DIMENSION PACKING	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.6Kg/1.25CUF 100*120	y communication 64A y communication ng Curve") g pn-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70' Standard BS EN/EN550 BS EN/EN550 BS EN/EN510 BS EN/EN510 BS EN/EN610 SR-332 (Bellcore) ; 46K hrs n	32A 32A 32A 32A 32 (CISPR3268-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 00-3-2 00-3-3 00-4-2 00-4-3 00-4-4 00-6-2 00-4-4 00-6-2 00-4-4 00-6-2 00-4-4 00-4-1 1 nin. MIL-HDBK-217F (2	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods						
SAFETY &	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT special	AC to DC Can be adjusted b Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH nc ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-O/P:3KVAC I/P-FG;2KN I/P-O/P:3KVAC I/P-FG:2KN VI/P-O/P:3KVAC I/P-FG:2KN BS EN/EN55032 Parameter ESD Radiated Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.6Kg/1.25CUF Jy mentioned are measured at Amondation	44A 9 communication 64A y communication ng Curve") 9	32A 32A 32A 32A 32 (CISPR3268-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 33 (CISPR32) 33 (CISPR32) 33 (CISPR32) 30 (CISPR32) 30 (CISPR32) 33 (CISPR32) 30 (CISPR	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Evel 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods 225°C)						
SAFETY & EMC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P:1/P-FG, O/P-FG:1001 BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.6Kg/1.25CUF Ivpentioned are measured as at 20MHz of bandwidth by tolerance, line regulation and	y communication 64A y communication ng Curve") g g nn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1,TUV BS I AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/70° Standard BS EN/EN500 BS EN/EN500 BS EN/EN500 BS EN/EN6100 S1000-6-2 Standard BS EN/EN6100 SR-332 (Bellcore) ; 46K hrs n T tt 230VAC input, rated load a using a 12°'' twisted pair-wire load regulation.	32A 32A 32A 32A 32 (CISPR3268-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 33 (CISPR32) 33 (CISPR32) 300-4-2 000-4-2 000-4-3 000-4-4 000-6-2 000-4-6 000-4-8 000-4-11 ain. MIL-HDBK-217F (2 and 25°C of ambient terr terminated with a 0.1uf	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods 225°C)						
SAFETY & EMC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. As a constant power output	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH nc ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC U/P-O/P:3KVAC I/P-FG:2KN I/P-O/P, I/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter Conducted Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.5CUFI Jy mentioned are measured ac ad at 20MHz of bandwidth by tolerance, line regulation and, the driver will auto derating to the driver will	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a CSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN500 BS EN/EN500 BS EN/EN610 SR-332 (Bellcore) ; 46K hrs n T tt 230VAC input, rated load a using a 12" twisted pair-wire load regulation. the current limitation when v	32A 32A 32A 32A 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 33(CISPR32) 33(CISPR32) 34(CISPR32) 34(CISPR32) 34(CISPR32) 35(CISPR32) 36(CISPR32) 37(CISPR32)	16A 004, IEC62477-1, TUV BS EN/EN62477-1 appr Class A Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 2KV/Line-Line 4KV/Line-Earth Level 3 2S°C)						
SAFETY & EMC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. As a constant power output 1800W output. On the othe	AC to DC Can be adjusted b Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not -40 ~ +85°C, 10 ~ 95% RH not -500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-O/P:3KVAC I/P-FG:2KV BS EN/EN55032 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.6Kg/1.2SCUF I/P mentioned are measured ac	y communication 64A y communication ng Curve") g on-condensing e, 60min. each along X, Y, Z a CSA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN500 BS EN/EN500 BS EN/EN610 SR-332 (Bellcore) ; 46K hrs n T tt 230VAC input, rated load a using a 12" twisted pair-wire load regulation. the current limitation when v	32A 32A 32A 32A 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 32(CISPR32) 33(CISPR32) 33(CISPR32) 34(CISPR32) 34(CISPR32) 34(CISPR32) 35(CISPR32) 36(CISPR32) 37(CISPR32)	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods 225°C)						
AFETY & MC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. As a constant power output 1800W output. On the othe 5. The efficiency is measured 6. The ambient temperature d	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH no ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P.3KVAC I/P-O/P, I/P-FG, O/P-FG:100 BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/EN6 Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.6Kg/1.25CUF Iy mentioned are measured at at 20MHz of bandwidth by tolerance, line regulation and, the driver will auto derating r hand, when voltage is below	y communication 64A y communication ng Curve") g ynn-condensing e, 60min. each along X, Y, Z a SSA C22.2 No.62368-1, TUV BS I /AC /P-FG:500VAC M Ohms / 500VDC / 25°C / 70° Standard BS EN/EN500 BS EN/EN500 BS EN/EN500 BS EN/EN500 BS EN/EN6100	32A 32A 32A 32A 32 (CISPR3268-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 332 (CISPR32) 3	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Class A Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods 25°C)						
AFETY & MC	CURRENT(default) Note.7 WORKING TEMP. WORKING HUMIDITY STORAGE TEMP., HUMIDITY TEMP. COEFFICIENT VIBRATION SAFETY STANDARDS WITHSTAND VOLTAGE Note.8 ISOLATION RESISTANCE Note.8 EMC EMISSION EMC EMISSION MTBF DIMENSION PACKING 1. All parameters NOT special 2. Ripple & noise are measure 3. Tolerance : includes set up 4. As a constant power output 1800W output. On the othe 5. The efficiency is measured 6. The ambient temperature d 7. CANBus model only.	AC to DC Can be adjusted b DC to AC 120A Can be adjusted b -30 ~ +70°C (Refer to "Derati 20 ~ 90% RH non-condensing -40 ~ +85°C, 10 ~ 95% RH not ±0.03%/°C (0 ~ 45°C) 10 ~ 500Hz, 2G 10min./1cycl UL62368-1, IEC62368-1, CAN/C I/P-O/P:3KVAC I/P-FG:2KV I/P-O/P; J/P-FG, O/P-FG:100I BS EN/EN55032 Parameter Conducted Radiated Harmonic Current Voltage Flicker BS EN/EN55035, BS EN/ENG Parameter ESD Radiated EFT / Burst Surge Conducted Magnetic Field Voltage Dips and Interruption 462.9K hrs min. Telcordia 330*140*41mm (L*W*H) 2.9Kg; 4pcs/12.6Kg/1.25CUF Iy mentioned are measured as dat 20MHz of bandwidth by tolerance, line regulation and, the driver will auto derating r hand, when voltage is below at 75% load.	g communication 64A y communication ng Curve") g nn-condensing e, 60min. each along X, Y, Z a SA C22.2 No.62368-1, TUV BS I /AC O/P-FG:500VAC M Ohms / 500VDC / 25°C/ 70° Standard BS EN/EN500 BS EN/EN500 BS EN/EN500 BS EN/EN6100 SR-332 (Bellcore) ; 46K hrs n Ctaregulation. tt	32A ixes EN/EN62368-1, EAC TP TC % RH 32 (CISPR32) 32 (CISPR32) 32 (CISPR32) 00-3-2 00-3-2 00-4-3 00-4-4 00-4-6 00-4-8 00-4-11 nin. MIL-HDBK-217F (2) and 25°C of ambient term a terminated with a 0.1uf oltage raise above rated ,96V), the maximum cur le higher than 2000m(65)	16A 004, IEC62477-1, TUV BS EN/EN62477-1 app Class A Class A Class A Class A Class A Class A Level 3, 8KV air ; Level 2, 4KV contact Level 3 Level 3 Level 3 Level 3 Level 4 >95% dip 0.5 periods, 30% dip 25 per >95% interruptions 250 periods 25°C)						

File Name:BIC-2200-SPEC 2024-10-21



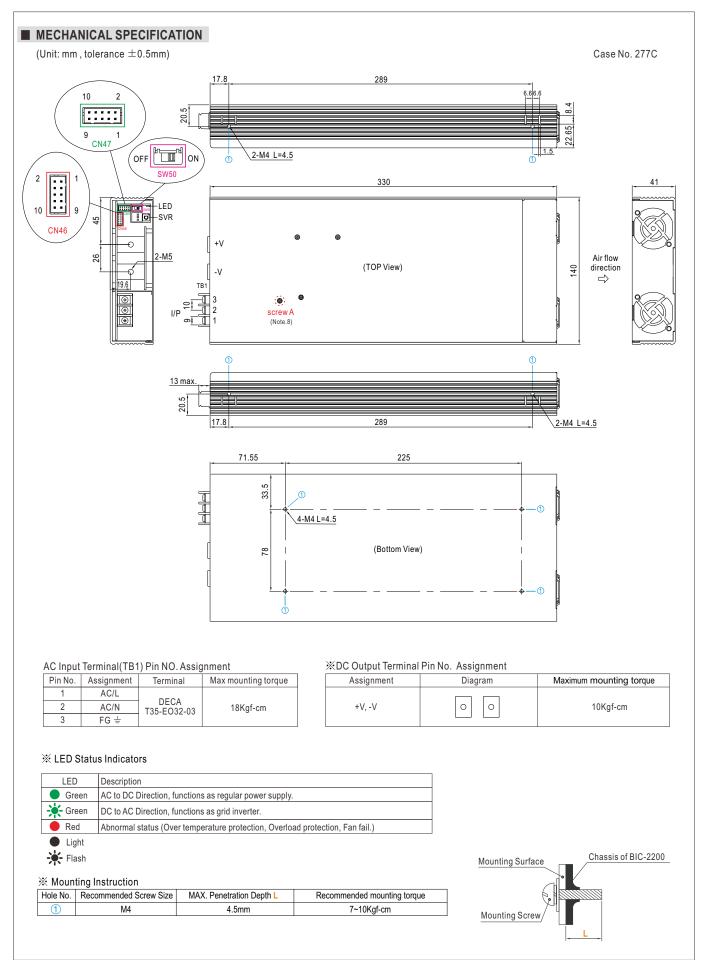
AC---DC Bidirectional Power Supply with Energy Recycle Function

BIC-2200 series











BIC-2200 series

%Control Pin No. Assignment(CN46) : HRS DF11-10DP-2DS or equivalent

10 2 9

Mating Housing HRS DF11-10DS or equivalent Terminal HRS DF11-**SC or equivalent

Pin No.	Function	Description
1	+12V-AUX	Auxiliary voltage output, 11.4~12.6V, referenced to GND-AUX (pin 2,4). The maximum output current is 0.5A. This output is not controlled by the Remote ON/OFF control.
2,4	GND-AUX	Auxiliary voltage output GND. The signal return is isolated from the output terminals (+V & -V).
3	+5V-AUX	Auxiliary voltage output, 4.5~5.5V, referenced to GND-AUX (pin 2,4) only for Remote ON/OFF used. This output is not controlled by the Remote ON/OFF control.
5	Remote ON-OFF	The unit can turn the output ON/OFF by electrical signal or dry contact between Remote ON/OFF and +5V-AUX(pin 3). (Note.1)
6	C/D Control (Note.2)	High (4.5 ~ 5.5V) : Battery Charging mode Low (-0.5 ~ 0.5V) : Battery Discharging mode (Note.1)
7	DC-OK	High (4.5 ~ 5.5V) : When the Vout≦80%±5%. Low (-0.5 ~ 0.5V) : When Vout≧80%±5%. The maximum sourcing current is 4mA and only for output. (Note.1)
8	Fault	High (4.5 ~ 5.5V) : When the Vac≦165Vrms,OLP, SCP,OTP,OVP,AC Fail,fan lock,islanding protection. Low (-0.5 ~ 0.5V) : When Vac≧175Vrms and when power supply work normally. The maximum sourcing current is 4mA and only for output. (Note.1)
9	T-ALARM	High (4.5 ~ 5.5V) : When the internal temperature exceeds the limit of temperature alarm, or when any of the fans fails. Low (-0.5 ~ 0.5V) : When the internal temperature is normal, and when fans work normally. The maximum sourcing current is 4mA and only for output(Note.1)
10	NC	

Note 1 : Isolated signal, referenced to GND-AUX. Note 2 : CANBus model only.

%Control Pin No. Assignment(CN47): HRS DF11-10DP-2DS or equivalent

10	2		
[•••	Mating Housing	HRS DF11-10DS or equivalent
0	1	Terminal	HRS DF11-**SC or equivalent
3			

Pin No.	Function	Description
1,2	DA	Differential digital signal for perallal control. (Note 1)
3,4	DB	Differential digital signal for parallel control. (Note.1)
5,6	GND	Negative output voltage signal. Certain function reference. It can not be connected directly to the load.
7	CANH (CANBus model)	For CANBus model: Data line used in CANBus interface. (Note.2)
8	CANL (CANBus model)	For CANBus model: Data line used in CANBus interface. (Note.2)
9,10	GND-AUX	Auxiliary voltage output GND. The signal return is isolated from the output terminals (+V & -V).

Note 1 : Non-isolated signal, referenced to GND. Note 2 : Isolated signal, referenced to GND-AUX.



O Bidirection process

BIC-2200 possesses AC to DC and DC to AC two way conversion functions. The conversion direction can be automatically detected and controlled by BIC-2200's internal firmware or manually switched by users according to different application requirements. Before entering detailed function explanation. Please refer to following definitions.

AC to DC (Energy absorbing and charging/ power supplying):

The BIC-2200 converts AC energy from the grid into DC energy for the battery or the loads. The operation principle is the same as an ordinary power supply or a charger.



DC to AC (Energy recycling and discharging):

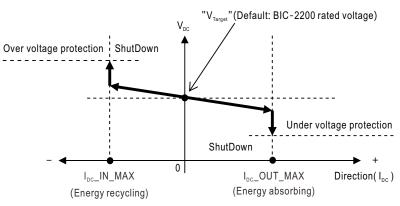
Opposite to the AC to DC conversion, the BIC-2200 converts DC energy from the battery or loads into AC energy, then feeding back to the grid. AC output synchronization range is 180Vac~264Vac/47Hz~63Hz, the bidirectional power supply can work normally as long as the AC gird is within the range.



Bi-direction auto-detect mode:

This is default factory setting, BIC-2200 operates as table below

Condition	Mode
Set voltage > load voltage	AC to DC
Set voltage < load voltage	DC to AC



Operating characteristic curve

Note:Detail of set voltage, please refer to user's manual.

Bi-direction battery mode:

This mode only can be activated by CANBus model. Set the BIC-2200 in AC to DC (charging) or DC to AC (discharging) conversion directly through command DIRECTION_CTRL below.

Command	Conversion
DIRECTION_CTRL = 00h	AC to DC (charging)
DIRECTION_CTRL = 01h	DC to AC (discharging)



BIC-2200 series

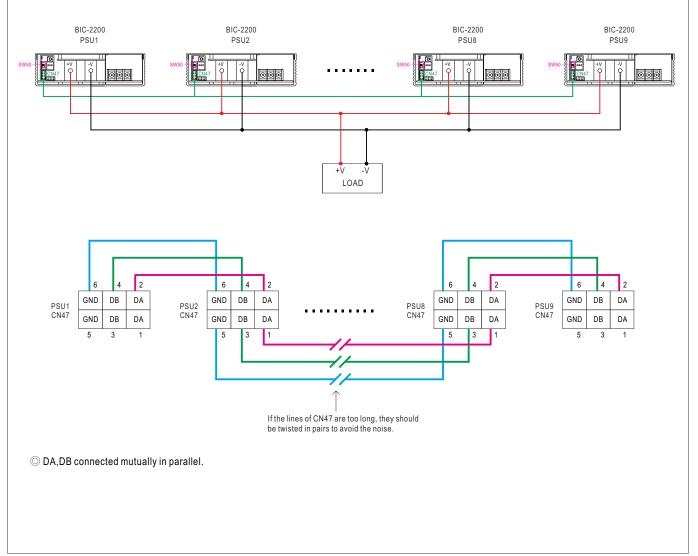
O Current Sharing

- BIC-2200 has the built-in active current sharing function and can be connected in parallel, up to 9 units, to provide higher output power as exhibited below :
- % The power supplies should be paralleled using short and large diameter wiring and then connected to the load.
- 💥 In parallel connection, power supply with the highest output Voltage will be the master unit and its Vout will be the DC bus voltage.
- * The total output current must not exceed the value determined by the following equation:
- Maximum output current at parallel operation=(Rated current per unit)imes(Number of unit)imes0.95
- % When the total output current is less than 5% of the total rated current, or say (5% of Rated current per unit) × (Number of unit) the current shared among units may not be balanced.

⅔ CN47/SW50 Function pin connection

Darallal	Parallel PSU1		PSU1 PSU2		PSU3 PSU4		PSU5 PSU6		PSU7		PSU8		PSU9					
Falallel	CN47	SW50	CN47	SW50	CN47	SW50	CN47	SW50	CN47	SW50	CN47	SW50	CN47	SW50	CN47	SW50	CN47	SW50
1 unit	Х	ON	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2 unit	V	ON	V	ON	—	—	_	—	_	—	—	—	_	—	—	—	_	—
3 unit	V	ON	V	OFF	V	ON	—	—	—	—	—	—	—	—	—	—	—	—
4 unit	V	ON	V	OFF	V	OFF	V	ON	—	—	_	—	—	—	—	—	—	—
5 unit	V	ON	V	OFF	V	OFF	V	OFF	V	ON	_	—	—	—	—	—	—	_
6 unit	V	ON	V	OFF	V	OFF	V	OFF	V	OFF	V	ON	_	—	—	—	—	—
7 unit	V	ON	V	OFF	V	OFF	V	OFF	V	OFF	V	OFF	V	ON	—	—	—	—
8 unit	V	ON	V	OFF	V	OFF	V	OFF	V	OFF	V	OFF	V	OFF	V	ON	—	—
9 unit	V	ON	V	OFF	V	OFF	V	OFF	V	OFF	V	OFF	V	OFF	V	OFF	V	ON

(V: CN47 connected; X: CN47 not connected)





\odot 3-phase 4-wire AC power system

The BIC-2200 can be installed in a 3-phase 4-wire AC power system. To ensure more balanced operation of multiple BIC-2200 units within the system, it is recommended to evenly distribute the bidirectional power supplies across each phase. For example, if 9 units need to be installed, they should be split into 3 for each phase.

