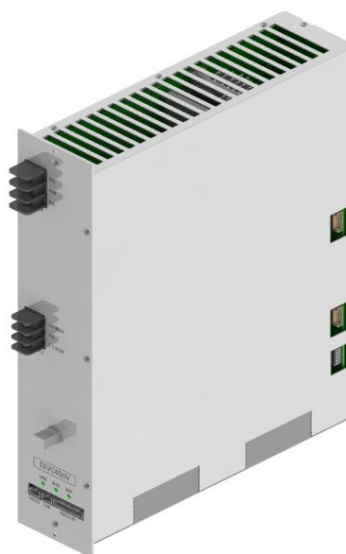


DEVC500V-5KW

Product Features:

- **Modular design**
 - >Apply PFC Technology.
 - >Apply ZVS Full Bridge Technology
- **DSP Control**
- **RS422/CAN serial interface**
- **Apply Model : 15KW, 30KW, 45KW**



Input Specifications:

VOLTAGE	1 ϕ 220VAC (187VAC ~ 253VAC)
FREQUENCY	50/60Hz
INRUSH	40A @ 220VAC
CURRENT	23A @ 220VAC
PROTECTION	40A FUSE
EFFICIENCY	>94%
HARMONICS	< 5%
POWER FACTOR	>99%
PROTECTION	Input Under voltage, Overvoltage Input Over current

Output Specifications:

Vout	500VDC
Iout	15Amax(at 330VDC)
CAPACITY	5KW
ADJUSTMENT RANGE	200VDC~500VDC
LINE REGULATION	\pm 0.5% Max over entire input range
LOAD REGULATION	\pm 0.5% Maximum(20% ~ 100%)
PEAK NOISE	\leq \pm 1.0%
SETPOINT ACCURACY	\pm 0.5%
OVER CURRENT	105~120%
OVER VOLTAGE	520VDC
PROTECTION	Thermal Shutdown Short Protection Over Current Protection Over Voltage Protection Reverse Voltage Protection

General Specifications:

OPERATING TEMP	-20 $^{\circ}$ C to +65 $^{\circ}$ C
STORAGE TEMP	-40 $^{\circ}$ C to +85 $^{\circ}$ C
OPERATING HUMIDITY	10% to 90% (Non-Condensing)
COOLING	Internal Fan in Module
VIBRATION	10-55Hz, 2G, 3min period/60 min each(3 axes)
RELIABILITY	150,000 Hrs MTBF
SIZE(W \times D \times H, mm)	69 \times 246.6 \times 372

Electromagnetic Compatibility:

EMISSIONS	EN55022 Level A (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4KV Contact / 8KV Air
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip&10ms, 30% Dip&500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms

Status & Control signals:

COMMUNICATION INTERFACE	RS422, CAN
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DEVC500V(5KW)-15KW/30KW/45KW



Product Features:

- DSP Control
- CAN / RS232 serial interface
- Outdoor use for harsh environment
- Parallel Extension(Max 18 Module)

General Specifications:

OPERATING TEMP	-20°C to +65°C
OPERATING HUMIDITY	5% to 95% (non-Condensing)
COOLING	Internal Fan
RELIABILITY	150,000 Hrs MTBF
SIZE(W×D×H, mm)	3module Type : 296×252×399.2 6module Type : 456×289×443.2

Input Specifications:

CAPACITY	15KW	30KW	45KW
VOLTAGE	3Ø380VAC (260V~456V) Derating @ over ± 15%		
FREQUENCY	50/60Hz		
INRUSH (per phase)	40A	80A	120A
CURRENT(@380V)	14A	28A	42A
Module PROTECTION	30A Fuse(per Module)		
LEAKAGE	3.5mA Max @ 380VAC		
EFFICIENCY	>94%		
HARMONICS	< 5%		
POWER FACTOR	>99%		
PROTECTION	Under Voltage Over Voltage Over Current		

Output Specifications:

CAPACITY	15KW	30KW	45KW
Vout	500VDC		
Module Q'ty	3EA	6EA	9EA
Iout(@330V)	45.5A	91A	136.4A
ADJUSTMENT RANGE	200VDC ~ 500VDC		
LINE REGULATION	±0.5% Max over entire input range		
LOAD REGULATION	±0.5% Maximum(20% ~ 100%)		
PEAK NOISE	≤ ±1.0%		
SETPOINT ACCURACY	±0.5%		
OVER CURRENT	105~120%		
OVER VOLTAGE	520VDC		
PROTECTION	Thermal Shutdown, Short Protection Over Current, Over Voltage protection Reverse Voltage Protection		

