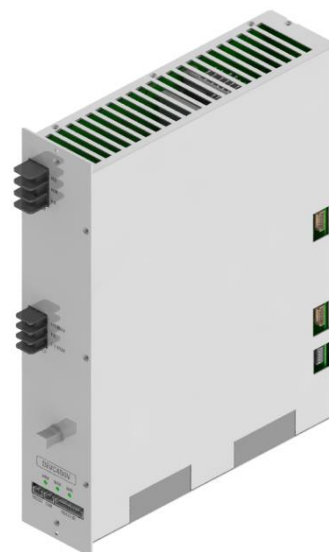


DEVC500V-6.7KW

Product Features:

- Modular design
 - >Apply PFC Technology.
 - >Apply ZVS Full Bridge Technology
- DSP Control
- RS422/CAN serial interface
- Apply Model : 20KW, 40KW, 60KW



Input Specifications:

VOLTAGE	1Ø220VAC (187VAC ~ 253VAC)
FREQUENCY	50/60Hz
INRUSH	50A @ 220VAC
CURRENT	30.5A @ 220VAC
PROTECTION	40A FUSE
EFFICIENCY	>94%
HARMONICS	< 5%
POWER FACTOR	>99%
PROTECTION	Input Under voltage, Overvoltage Input Over current

Output Specifications:

Vout	500VDC
Iout	20Amax(at 330VDC)
CAPACITY	6.7KW
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 Protection Over Voltage Protection Reverse Voltage Protection

General Specifications:

OPERATING TEMP	-20 °C to +60 °C
STORAGE TEMP	-40 °C to +85 °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×D×H, mm)	69 × 246.6 × 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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DEV500V(6.7KW)-20KW/40KW/60KW



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	20KW	40KW	60KW
VOLTAGE	3Ø380VAC (260V~456V) Derating @ over ± 15%		
FREQUENCY	50/60Hz		
INRUSH (per phase)	50A	100A	150A
CURRENT(@380V)	18.6A	37.3A	56A
Module PROTECTION	40A 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	20KW	40KW	60KW
Vout	500VDC		
Module Q'ty	3EA	6EA	9EA
Iout(@330V)	60.6A	121.2A	181.8A
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		

