

DEVC750V-15KW

Product Features:

- **Modular design**
 - >Apply Three-Phase PFC Technology.
 - >Apply ZVS Full Bridge Technology
- **DSP Control**
- **RS422/CAN serial interface**
- **Using Circuit Breaker for Input protection**



Input Specifications:

VOLTAGE	3Ø380VAC (304VAC ~ 456VAC)
FREQUENCY	50/60Hz
INRUSH	25A @ 380VAC
CURRENT	28A @ 380VAC
PROTECTION	45A NFB
LEAKAGE	3.5mA Max @ 380VAC
EFFICIENCY	<93.5%
HARMONICS	< 5%
POWER FACTOR	>98%
PROTECTION	Input Under voltage, Overvoltage Input Over current

Output Specifications:

Vout	750VDC
Iout	20A
CAPACITY	15KW
ADJUSTMENT RANGE	350VDC~750VDC
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	770VDC
PROTECTION	Thermal Shutdown Short Protection Over Current Protection Over Voltage Protection Reverse Voltage Protection

General Specifications:

OPERATING TEMP	-20 °C to +65 °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)	540×488×177

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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DEVC750V-165KW



Product Features:

- **Modular design**
->Apply Three-Phase PFC Technology.
->Apply ZVS Full Bridge Technology
-> 12 Modules are composed
-> Easy to repair.
- **DSP Control**
- **RS232/CAN serial interface**
- **Front Panel LCD Indicator**
- **Indoor use for harsh environment**

Input Specifications:

VOLTAGE	3 ϕ 3800VAC (304VAC ~ 456VAC)
FREQUENCY	50/60Hz
INRUSH	200A@380VAC/300A@380VAC
CURRENT	250A@380VAC/370A@380VAC
PROTECTION	300A NFB/400A NFB
LEAKAGE	3.5mA Max @ 380VAC(per Module)
EFFICIENCY	>93.5%
HARMONICS	< 5%
POWER FACTOR	>98%
PROTECTION	Input Under voltage, Overvoltage Input Over current

General Specifications:

OPERATING TEMP	-20 $^{\circ}$ C to +50 $^{\circ}$ C
OPERATING HUMIDITY	5% to 95% (non-Condensing)
COOLING	Internal Fan (Per Module)
RELIABILITY	150,000 Hrs MTBF
SIZE(W \times D \times H, mm)	1400 \times 800 \times 2200

Output Specifications:

Vout	750VDC
Iout	240A
CAPACITY	180KWmax
ADJUSTMENT RANGE	350VDC~750VDC
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	770VDC
PROTECTION	Thermal Shutdown Short Protection Over Current/Voltage Protection Reverse Voltage Protection

