

30kW Mono Directional



	Part Number	89304
AC Input	Input Voltage	260VAC ~ 530VAC 3 Phase without neutral
	Input Frequency	45Hz ~ 65Hz
	Max. Input Current	< 61A
	Power Factor	Rated output load \geq 0.99
	THD	\leq 5%
	Input Under Voltage Protection	255V \pm 5V
	Input Overvoltage Protection	535V \pm 5V
	Input Power Derating	260V \pm 5V < Vin <304V \pm 5V Linear power derating from 100% to 50%
DC Output	Rated Output	1000V/30A
	Constant Power Range	30KW@790~1000V
	Output Voltage Range	200 ~ 1000V
	Output Current Range	0 ~ 40A
	Output Overvoltage Protection	1010V \pm 5V
	Output Under Voltage Alarm	190V \pm 2V
	Short Circuit Protection	Output current decreases when short circuit occurs
	Voltage Stabilised Accuracy	\leq \pm 0.5%
	Load sharing	\leq \pm 3%
	Max Startup Overshoot	\leq \pm 1%
	Current Stabilised Accuracy	\leq \pm 1%
	Start Up Time	normally 3s \leq t \leq 8s
	Efficiency	Highest efficiency >96%, Rated efficiency >95%
Communication & Alarm	Communication	CAN & 485
	Max number of parallel converters	60 converters
	Alarm & Status	Display with digital tubes and LED
Operating Environment	Operating Temperature	-30°C ~ 70°C derating from 55°C
	Overtemperature Protection	At temperature > 70°C \pm 4°C or < -40°C \pm 4°C power converter will shut down automatically
	Storage Temperature	-40°C ~ 85°C
	Humidity	\leq 95% RH without condensation
	Altitude	79kPa ~ 106kPa/2000m
Mechanical Characteristics	Acoustic Noise	< 60dB
	Cooling	Fan cooling
	Dimensions	300mm (H) x 84mm (W) x 437.5mm (L)
	Weight	< 15Kg
	MTBF	> 500,000 hours (40°C)
Compliance	CE	certification in process