

SER 30kW Series

Power Module



Specifications

30kW AC/DC Power Module		
Environmental conditions	Operating temperature	-40~+75°C derating work above 55°C derating
	Cooling method	Air cooled
	Altitude	≤2000m
	Atmospheric pressure	86kPa~106kPa
	Input system	Three phase + PE
Three-phase AC input	Input rated voltage	380Vac (380V±15%)
	Input voltage range	268~530Vac
	Maximum current	≤60A
	Input frequency	45~65Hz
	Input surge current	≤110% rated input current
DC output	Output voltage range	50-1000Vdc
	Output current range	0-100A

	Output Power	30kW@380Vac
	Voltage regulation accuracy	$\leq \pm 0.5\%$
	Steady current accuracy	$\leq \pm 1\%$
	Output voltage ripple factor	$\leq 1\%$
Features & Performance	Power Factor	≥ 0.99 @full load output power, nominal input voltage and frequency
	Peak Efficiency	$\geq 96\%$
	THDi	$\leq 5\%$
	Standby power consumption	$\leq 0.05\%$ output rated power
	Current imbalance	$\leq \pm 3\%$
	Size	W (218mm)* D (458mm)*H(84mm)
	Weight	$\leq 15\text{kg}$
	Protection class	IP20
Communication & Control	Communication	CAN BUS
Certification		CE, UL

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