

PCS Module Datasheet

PCS-30K

PCS-60K

1. Product Parameters

Company: OLiPower Energy & Automation Technology Co., Ltd.			
Model		PCS-30K	PCS-60K
DC	Maximum voltage [Vd.c]	1000	1000
	Rated voltage [Vd.c]	800	800
	Voltage range [Vd.c]	680-1000	680-1000
	Maximum charge/discharge current [Ad.c]	44	88
AC	Maximum nominal input power [kVA]	30	60
	Maximum input active power [kW]	30	60
	Input voltage [Va.c]	230/400, 3P+N+PE	230/400, 3P+N+PE
	Maximum continuous input current [Aa.c]	43	86
	Rated input frequency [Hz]	50/ 60	50/ 60
	Power factor range	0.8cap-0.8ind	0.8cap-0.8ind
	Rated output voltage [Vac]	230/400, 3P+N+PE	230/400, 3P+N+PE
	Rated output frequency [Hz]	50/60	50/60
	Maximum continuous output current [Aa.c]	43	86
	Maximum output active power [kW]	30	60
	Maximum output nominal power [kVA]	30	60
	Unbalanced ability	100%	100%
	Overload ability	35°C 1.1x 10min 1.2 x 1 min	35°C 1.1 x 10min 1.2 x 1 min
Communication	BMS communication interface	CAN/RS485	CAN/RS485
	Monitoring interface	Ethernet, RS485 (one lane each)	Ethernet, RS485 (one lane each)
	Protocol	Modbus TCP Modbus RTU	Modbus TCP Modbus RTU
	I/O ports	DI x 4 DO x 2	DI x 4 DO x 2

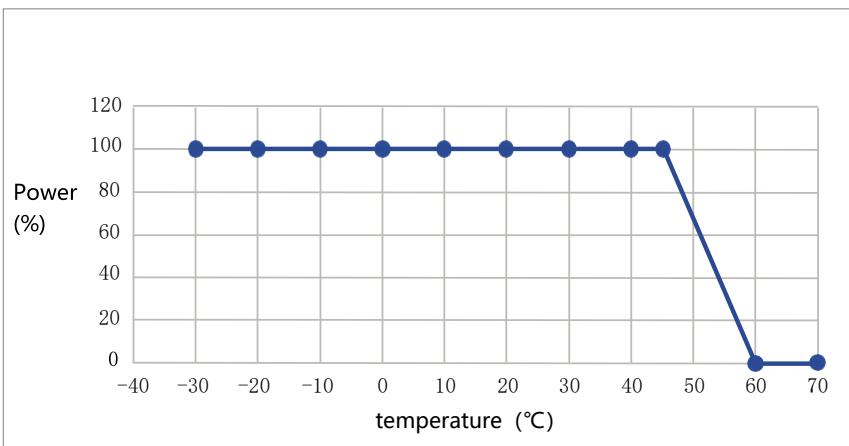
OLiPower Product Specification

General	Operating temperature range[°C]	-30~+60(>45°C derating)	-30~+60(>45°C derating)
	Ingress protection	IP20	IP20
	Altitude [m]	≤2000	≤2000
	Maximum efficiency	98.5%	98.5%
	Active anti-islanding method	Frequency shift	Frequency shift
	AC and DC start function	Yes	Yes
	Dimension (WxDxH) [mm]	490 x 620 x 130	490 x 620 x 130
	Weight	21	28
	Battery type	Lithium battery	Lithium battery
	Class of pollution degree	II	II
	Environment class	I	I
	Overvoltage class	AC III / DC II	AC III / DC II
	Country of manufacture	China	China

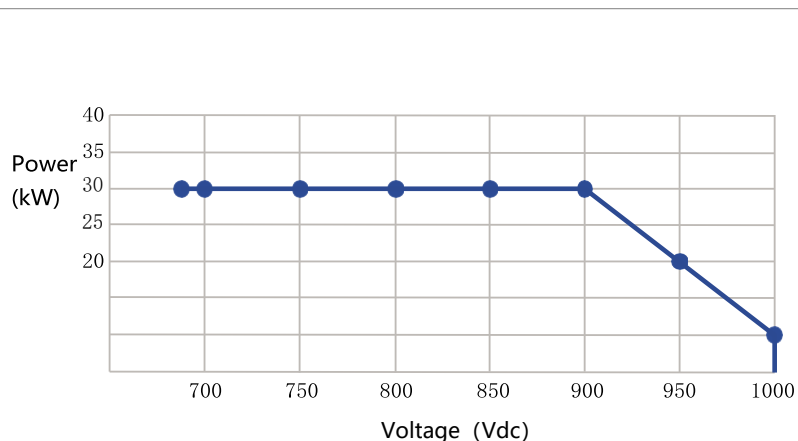
2. Output Curve (Thermal derating curve as reference)

When DC input is below 800V:

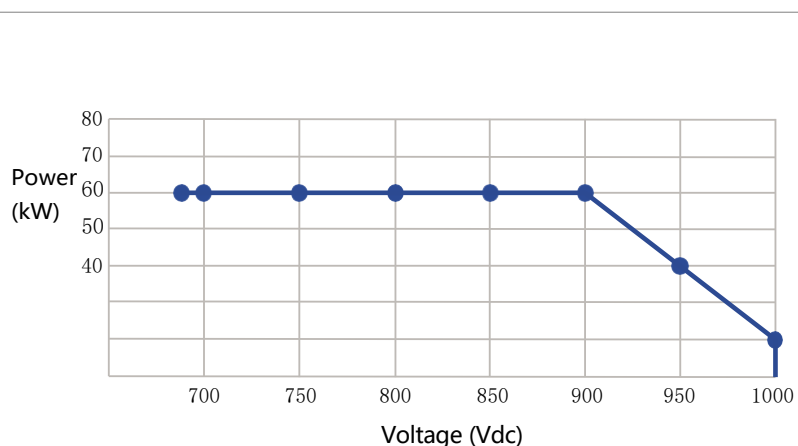
- Output power - ambient temperature



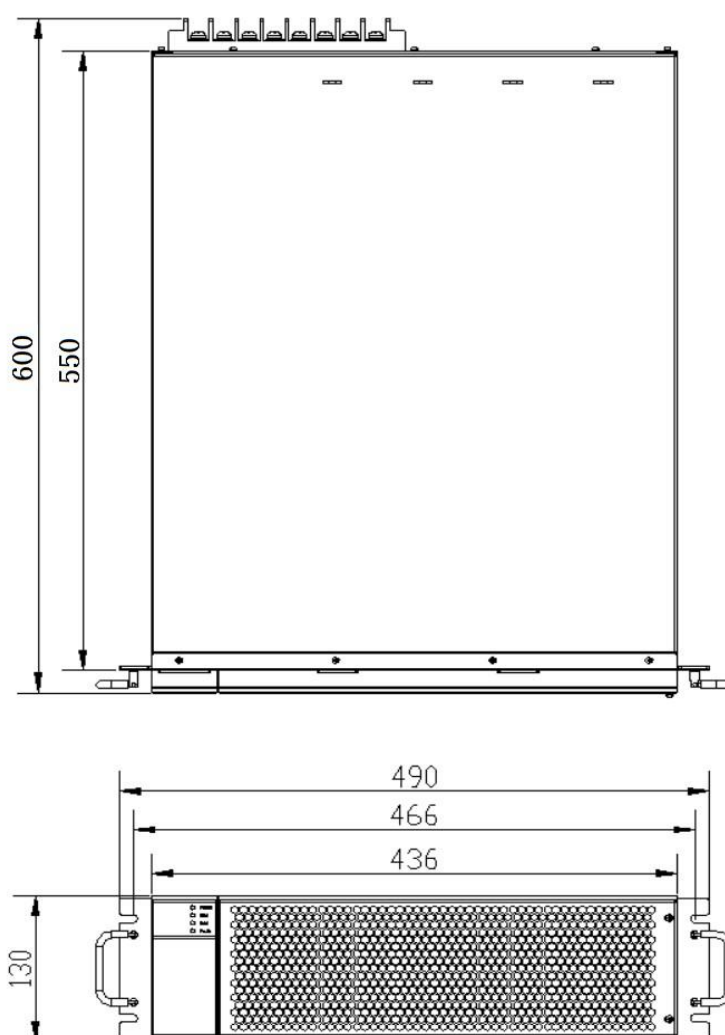
- PCS-30K output power - output voltage



- PCS-60K output power - output voltage



3. Product Dimensions



Notes:

1. The nominal dimensions of the module are width x depth x height (490x620x130) (unit: mm), excluding terminals and panel protrusions.
2. The gross weight of the module PCS-30K is 21kg, and the gross weight of the module PCS-60K is 28kg.