

INVERTERS

SPF 4000-18000T DVM

Off-grid inverter · Split-phase · 4 – 18 kW · 7 models


4 – 18 kW

RATED POWER

Split-phase

PHASE

1

MPPT TRACKERS

>85 %

MAX. EFFICIENCY

Parameter	Unit	SPF 4000T DVM	SPF 5000T DVM	SPF 6000T DVM	SPF 8000T DVM	SPF 10000T DVM	SPF 12000T DVM	SPF 18000T DVM
PV input								
Max. PV input power	W	5000			7000			14000
Max. PV input voltage	V	150						-
MPPT voltage range	V	60 - 145						-
Max. PV charge current	A	80			120			240
Number of MPPT trackers		1			2			-
PV strings per MPPT		1						-
AC output								
Rated output power	W	4000	5000	6000	8000	10000	12000	18000
Rated AC voltage	V	240						
Nominal output voltage options (RMS)	V	104-110-115-120 / 208-220-230-240						
Phase		Split-phase						
Rated AC frequency	Hz	50/60						
Output frequency tolerance	Hz	+/-0.3						
Peak (surge) power	W	12000	15000	18000	24000	30000	36000	54000
Output waveform		Pure sine wave (same as input in bypass mode)						
Transfer time		10 ms max.						
AC input voltage	V	240						
AC input selectable voltage range		184-272 VAC (UPS); 154-272 VAC (appliances)						
AC input frequency range		50 Hz / 60 Hz (auto sensing)						
Max. AC charge current	A	40	50	60	70	80	100	

Parameter	Unit	SPF 4000T DVM	SPF 5000T DVM	SPF 6000T DVM	SPF 8000T DVM	SPF 10000T DVM	SPF 12000T DVM	SPF 18000T DVM
Battery								
Battery type		Lithium / Lead-acid						
Nominal battery voltage	V	48						
Efficiency								
Max. efficiency	%	>85						
Solar charger max. efficiency	%	>98						>97.5
General data								
Dimensions (W x H x D)	mm	360 × 540 × 218			380 × 650 × 225			420 × 780 × 250
Weight	kg	42	47	52	64	66	75	105
Topology		Built-in pure copper low-frequency transformer						
Ingress protection (IP rating)		IP20						
Operating temperature range	°C	0 – 45						
Communication								
Monitoring		Optional Wi-Fi / GPRS remote monitoring						

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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