

DATASHEET

v.0.6 del 05.09.2017

Model	S6
INPUT data	
Input power Range (kWp)	1-18
N. of String input	1-18
N. of MPPT	1-3
VIN Range (Vcc)*	80-180
Recomended working VIN (Vcc)*	125-145
* Recommended strings configuration with standard modules: N.4 modules for each string with $V_{mmppt} \approx 36V_{cc}$ Pstring ≈ 1 kWp	
OUTPUT data	
Nominal Voltage (V)	230
POUT inverter (kW)	6
POUT renewable energy (kW)	3,3-6,6-10
Nominal Frequency (Hz)	50
N. of output lines	2 (User - Owner Grid)
Connection type	Screw terminals (Max 10mm ²)
Harmonic distorsion	<2%
Allowed Cosphi	0,1-1
Overload working	Disconnection after 60" of preoveload alarm
Short circuit max value	50A
Supply	Single-phase
Net type	TT
Main Internal components efficiency	Up to 97%
Emergency supply data	
Nominal Voltage (V)	230
Nominal Frequency (Hz)	50
Net Absorbition (kW)	0-6
Source	from Public Net, Owner Grid or GenSet
Connection type	Screw terminals (Max 10mm ²)
Supply	Single-phase

Features	
AC IN overvoltage protection	Yes
Overload protection	Yes
Dynamic load management	Yes
MPPT	Yes
DC/DC converter	Yes
String Fuse protection	Yes
String measurement	Yes
Broken string check	Yes
Priviledge Load (CP1)	Yes
Fill into the grid Module (CEI0-21 for Italy)	Optional
AC IN Owner grid Module	Optional
Rules	
CE branding	Yes
CEI 0-21: 2016-07 branding	Yes
Rules	CEI 0-21:2016-07 (Allegato B-bis), EN 61000-6-2, EN 61000-6-3, ETSI EN 301 489-1, EN 301 489-7, EN 62109-1, EN 62109-2, EN 60950-1
Other	
Ventilation	Forced
Sound pressure Level (dB)	46,2
Size (mm)	∅ 790 x 1623(H) - ∅ 790 x 2050(H)
Weight (kg)	300 -500
Warranty	5 years - extensible