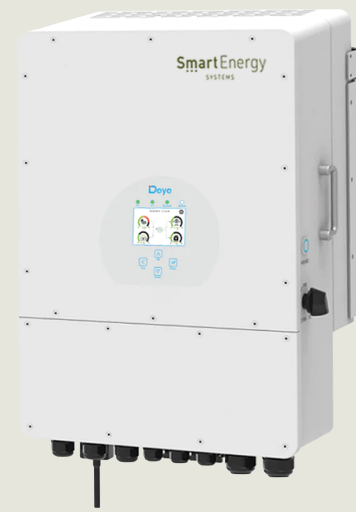


# Deye Hybrid 230V IT



MODEL	4,9kW IT	7,3kW IT	Comments
Max.DC Input Power	6000	8000	PV Power
<b>DC INPUT DATA (SOLAR)</b>			
Voltage Range	550V (160V-800V)		
MPPT voltage Range	200V-650V		
Start-up Voltage	160V		
Min. DC Voltage	160V		
No. of MPPT's	2		
No. of Input Strings per MPPT	1	2+1	
DC Input current pr MPPT	13A/13A	26A/13A	
Max. DC Input Current	17A/17A	34A/17A	
Type of DC Connector	MC4		
DC Switch	Intergrated		
<b>AC OUTPUT DATA (ON-GRID)</b>			
Rated AC Power	4900	7300	
Grid frequency/ range	50HZ / 60HZ 45 ~ 55HZ / 55 ~ 65HZ		
Nominal output voltage	230V   3 + PE		IT nett
Rated output current	12,1A	18,2A	
Max output current	18,2A	27,3A	
Total Harmonic Distortion [THDi] at reted output	<3%		
Peak power (off-grid)	2 times of rated power , 10s		
Max Continuous AC current passthrough	45A		
<b>BATTERY INPUT DATA</b>			
Battery Type	Lead-acid og Lithium ion		
Norminal Battery Voltage	40-60V		
Max. Charging / Discharging Current	190A/190A	240A/240A	
Communication Interface	CAN		
Charging Curve	3 Stages / Equalization		
External Temperature S ensor	Yes		Optional
Charging Strategy for LFP battery	self-adaption to BMS		Requires battery with BMS

<b>GENERAL DATA INVERTER</b>		
Size (Width*Height*Depth) (mm)	W*H*D 422*699,3*279mm	
Weight (kg)	33,6kg	
Mounting	Wall Mounted	
User Interface	LCD	
Communication	Wifi, RS485, CAN	
Ambient Temperature Range ( °C)	-45 °C ~ 60 °C ( > 45 °C Derating Operation )	
Relative Humidity	0-98% ( No condensation )	
Operating Altitude	3000m (>2000m derating Operation)	
Cooling	Smart cooling	
Protection Grades	IP65	
Warranty (years)	5 years	<b>S tandard</b>
<b>EFFICIENCY</b>		
Max.Efficiency	97.60%	
Euro Efficiency	97.00%	
MPPT Accuracy	99.9%	
<b>PROTECTION</b>		
PV Insulation Monitoring	Intergrated	
PV Input Reverse Polarity Protection	Intergrated	
Output Over Current Protection	Intergrated	
Anti-island Protection	Intergrated	
OverHeat Protection	Intergrated	
PV Input lightning protection	Integrated	
Residual current monitoring unit	Integrated	
Output Shorted protection	Integrated	
Surge Protection	DC Type II / AC Type II	
<b>CERTIFICATION &amp; STANDARDS</b>		
Grid Regulation	CEI 0.21, Vde-AR-N 4105, IEC 62116, NRS 097, IEC 61727, G99, G98, VDE0126-1-1, RD1699, C10-11	
Safety Regulation	IEC 62109-1, IEC 62109-2	
EMC	EN 61000-6-1/2/3/4,	

# Smart Energy

SYSTEMS