

SPECIFICATION

Specifications	Model	Aegis 3000DTL	Aegis 3600DTL	Aegis 4000DTL	Aegis 4200DTL	Aegis 4600DTL	Aegis 5000DTL
Input Data (DC)							
Max. DC power		3400W	4000W	4400W	4600W	5000W	5400W
Max. DC voltage		600V					
Start voltage		100V					
DC nominal voltage		360V					
PV voltage range		100V-600V					
MPP voltage range		120V-550V					
Max. input current per string of tracker A/tracker B		11A/11A					
Number of independent MPP inputs		2					
Output Data (AC)							
Nominal AC output power		3000W	3600W	4000W	4200W	4600W	5000W
Max. AC apparent power		3000VA	3600VA	4000VA	4200VA	4600VA	5000VA
Max. output current		13.7A	16.4A	18.2A	19.1A	21.0A	22.8A
AC nominal voltage; range		220V/230V/240V; 180V-280V					
AC grid frequency; range		50,60Hz;±5 Hz					
Power factor at rate power		1					
Power factor		0.9leading...0.9lagging					
THDi		<3%					
AC connection		Single phase					
Efficiency							
Max. efficiency		97.00%	97.00%	97.00%	97.10%	97.10%	97.10%
Euro - eta		96.50%	96.50%	96.50%	96.50%	96.50%	96.50%
MPPT efficiency		99.50%	99.50%	99.50%	99.50%	99.50%	99.50%
Protection Devices							
DC reverse polarity protection		Yes					
DC switch rating for each MPPT		Yes					
Output over current protection		Yes					
Output overvoltage Protection-varistor		Yes					
Ground fault monitoring		Yes					
Grid monitoring		Yes					
Integrated all - pole sensitive leakage current monitoring unit		Yes					
General Data							
Dimensions (W / H / D)		380/300/150mm					
Weight		10.8kg	11kg	12kg	12kg	13kg	13kg
Operating temperature range		-25...+60°C (-13...+ 140°F) with derating above 45°C (113°F)					
Noise emission (typical)		≤ 25 dB(A)					
Altitude		Up to 2000m (6560ft) without power derating					
Relative humidity		95%					
Consumption: operating (standby) / night		<5W / < 0.5 W					
Topology		Transformerless					
Cooling concept		Natural					
Environmental protection rating		IP65					
Features							
DC connection		H4/MC4					
AC connection		Screw terminal					
Display		LED					
Interfaces: Wi-Fi/USB/GPRS/RS485		Yes/Yes/Opt/Opt					
Warranty: 5 years / 10 years/15 years		Yes /Opt/Opt					
Certificates and approvals		CE,IEC 62109, VDE 0126-1-1, VDE-AR-N4105,RD1663,G59,G83, AS4777, AS/NZS 3100, CGC					