

HELIOS TECHNOLOGY

PHOTOVOLTAIC MODULES

HT80/85 HTD110/120

Design

MODULE TYPE	HT80	HT85	HTD110	HTD120
Front	Tempered Glass			
Cells technology	Monocrystalline			
Cells dimensions	125 x 125 mm	156 x 156 mm		
Cells number	36	32		
Encapsulation	EVA			
Rear back side	Tedlar foil			
Frame	Anodized Aluminium			
Junction Box	Helios JB S5			
Bypass Diodes	2 pcs	4 pcs		

Performance under standard test conditions (STC)

MODULE TYPE	HT80	HT85	HTD110	HTD120
Maximum Power (Pmax)	80 Wp	85 Wp	110 Wp	120 Wp
Maximum Power Voltage (Vpmax)	18 V	18.3 V	16 V	16.3 V
Maximum Power Current (Ipmax)	4.4 A	4.6 A	6.9 A	7.4 A
Open Circuit Voltage (Voc)	22.3 V		20 V	
Short circuit Current (Isc)	5 A		7.9 A	
Max System Voltage	715 V			
Power Tolerance	± 5%			

Dimensions

MODULE TYPE	HT80	HT85	HTD110	HTD120
A	538 ±1 mm	664 ±1 mm		
B	1210 ±1 mm	1335 ±1 mm		
C	508 mm	634 mm		
D1	600 mm	700 mm		
D2	800 mm	-		
E	135 mm			
F	145 mm			
G	22 mm			
Frame tickness	34 mm			
Weight	7,5 Kg	9,8 Kg		
Front Glass thickness	3 mm			

