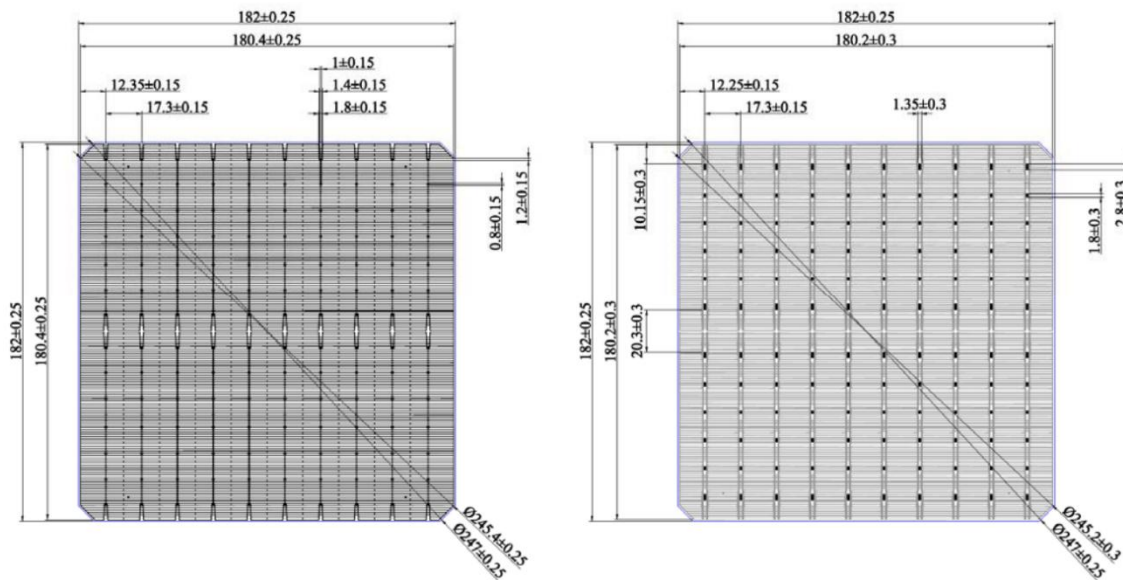


苏州斐尔西科技有限公司
 Suzhou Fly Solar Technology Co., Ltd
 单晶182双面 PERC 10BB 电池规格书
 DATASHEET FOR 182MM BIFACIAL MONO CELLS

产品外观 Product appearance



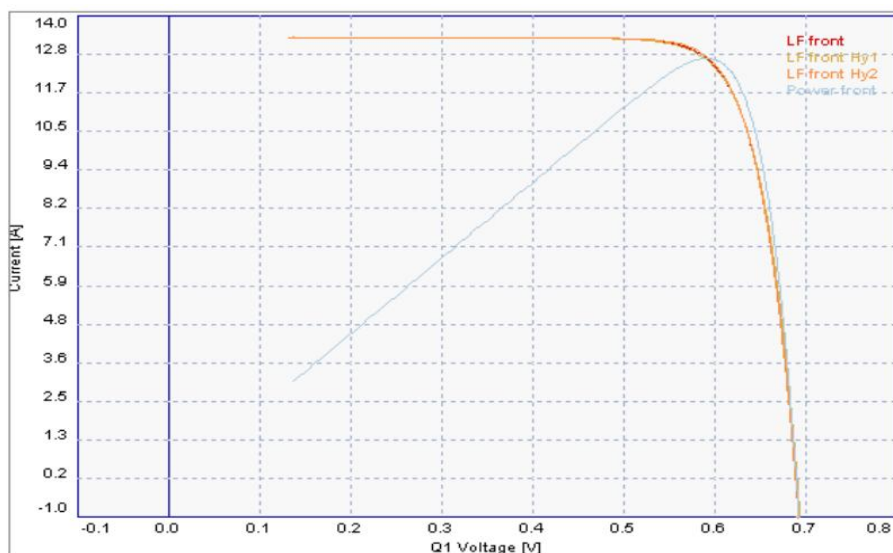
技术数据和设计 Technical data and design

尺寸 Dimension	182mm × 182mm ± 0.25mm
直径 Diameter	247mm ± 0.25mm
厚度 Thickness	165μm±16.5μm
正面 Front	160 根细栅, 蓝色氮化硅减反射膜 160 fingers, blue silicon nitride antireflection coating
背面 Rear	180 根铝栅, 氧化铝、氮化硅 180 aluminum fingers, aluminum oxide, silicon nitride
说明 Description	FF

温度系数 Temperature coefficient

TkVoltage	-0.36%/K
TkCurrent	+0.07%/K
TkPower	-0.38%/K

IV 曲线 IV curve



光强特性 Light intensity dependence

Intensity[W/m ²]	1000	800	600	400	200
Voc	1	0.99	0.98	0.96	0.93
Isc	1	0.8	0.6	0.4	0.2

电性能参数 Electrical characteristics

效率档位 EFF	最大功率 Pmpp (W)	最大功率电压 Umpp (V)	最大功率电流 Impp (A)	开路电压 Voc (V)	短路电流 Isc (A)
23.20%	7.66	0.601	12.75	0.691	13.43
23.10%	7.63	0.600	12.72	0.690	13.42
23.00%	7.59	0.599	12.67	0.689	13.41
22.90%	7.56	0.598	12.64	0.688	13.40

22.80%	7.53	0.597	12.61	0.687	13.39
22.70%	7.49	0.596	12.57	0.686	13.38
22.60%	7.46	0.595	12.54	0.685	13.37
22.50%	7.43	0.594	12.51	0.684	13.36
22.40%	7.40	0.593	12.48	0.683	13.35
22.30%	7.36	0.592	12.43	0.682	13.34
22.20%	7.33	0.591	12.40	0.681	13.33
22.10%	7.30	0.590	12.37	0.680	13.32