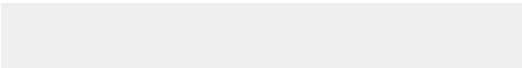
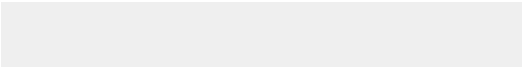
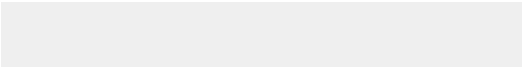
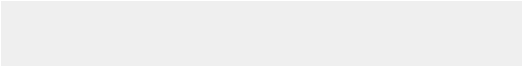




JA smart modules incorporate innovative power electronics from Tigo Energy to achieve module-level diagnostics, maximum energy harvest through module level DC power optimization, and reduction of arc, fire and safety hazards. Integration of the module optimizer into the junction box enables patented Smart Curve technology, which allows up to 30% longer strings and significant bncæfsystem (r)Tj0.293 0 TB(w)Tj.293 0 TO(m)Tj0.239 0 Td(S)Tj0.516 0 T(r)Tj0.293 0 Td()Tj0.239 0 Td(h)40(a)j0.97.516 0 Td(





- Hardware voltage clamp prevents over-voltage
- Design up to 30% longer strings
- Fewer combiner boxes, fuses and wiring
- Smaller resistance losses

ELECTRICAL PARAMETERS AT NOCT						OPERATING CONDITIONS	
TYPE	JAM60S13 -310/PR	JAM60S13 -315/PR	JAM60S13 -320/PR	JAM60S13 -325/PR	JAM60S13 -330/PR	Maximum System Voltage	1000V DC(IEC)
Rated Max Power(Pmax) [W]	229	233	237	241	244	Operating Temperature	-40 ~+85
Open Circuit Voltage(Voc) [V]	35.36	35.70	36.03	36.36	36.69	Maximum Series Fuse	20A
Max Power Voltage(Vmp) [V]	30.67	31.00	31.32	31.64	31.96	Maximum Static Load,Front	3600Pa, 1.5
Short Circuit Current(Isc) [A]	7.93	7.97	8.01	8.05	8.09	Maximum Static Load,Back	1600Pa, 1.5
Max Power Current(Imp) [A]	7.48	7.52	7.56	7.60	7.64	NOCT	45±2
NOCT	Irradiance 800W/m², ambient temperature 20 , wind speed 1m/s, AM1.5G					Application Class	Class A