



Multi-Crystalline

## TUV TSM3-Series



ISO9001  
ISO14001



ITEM	UNIT	TSM3 - Series																	
		250	245	240	235	230	225	220	215	210	225	220	215	210	205	200	195	190	185
Maximum power(Pmax)	Wp	250	245	240	235	230	225	220	215	210	225	220	215	210	205	200	195	190	185
Open circuit voltage (Voc)	V	39.1	38.7	38.3	37.8	37.2	36.6	36.1	35.5	35.1	33.1	32.9	32.8	32.7	32.6	32.5	32.4	32.3	32.2
Short circuit current (Isc)	A	8.59	8.51	8.43	8.34	8.20	8.10	7.99	7.90	7.80	8.29	8.25	8.23	8.17	8.11	8.06	8.01	7.95	7.89
Maximum power voltage (Vpm)	V	30.6	30.3	30.1	29.8	29.6	29.4	29.2	29.0	28.9	29.3	28.8	28.3	27.8	27.2	26.7	26.1	25.6	25.0
Maximum power current (Ipm)	A	8.20	8.10	7.99	7.89	7.78	7.66	7.54	7.42	7.29	7.69	7.65	7.60	7.56	7.54	7.51	7.48	7.43	7.41
Number of cells	Pcs	60	60	60	60	60	60	60	60	60	54	54	54	54	54	54	54	54	54
Module efficiency	%	15.6	15.2	14.9	14.6	14.3	14.0	13.6	13.3	13.1	15.5	15.1	14.8	14.4	14.1	13.8	13.4	13.1	12.7
Module size (Weight.Kg)	mm	1638 × 985 × 35 (18.5Kg)									1479 × 985 × 35 (16.9Kg)								
Temperature coefficient of Pmax	%/°C	-0.428																	
Temperature coefficient of Isc	%/°C	0.056																	
Temperature coefficient of Voc	%/°C	-0.32																	
Maximum system voltage	Vdc	1000																	
Cell type	-	6" Multi crystalline silicon 3bus-bar																	

### I-V Curves(TSM3-Series)

