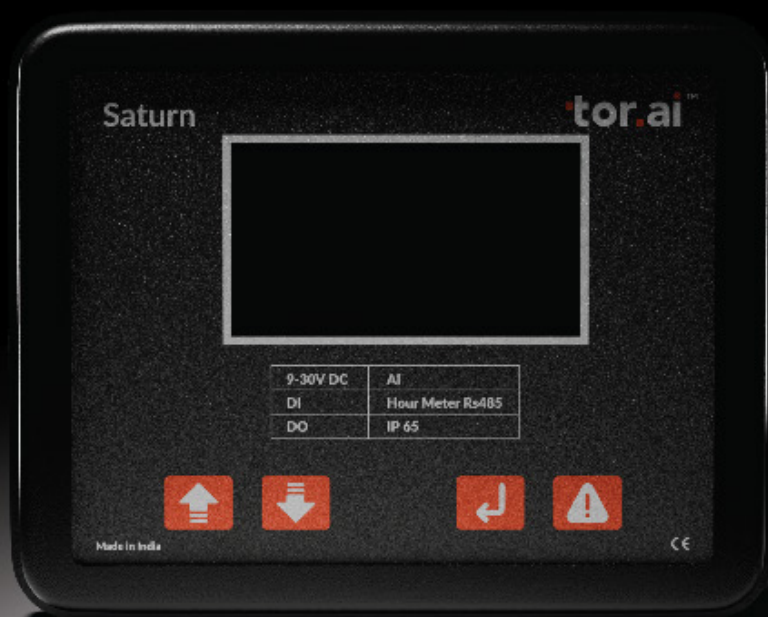


Controller





Tor Saturn



Model number	Saturn 322	Saturn 323
Power supply		
Supply voltage	9-30 V DC	9-30 V DC
Max supply voltage	30 V DC	30 V DC
Reverse polarity protection	0 to -30 V DC	0 to -30 V DC
Max operating current	<100 mA	<100 mA
Interfaces		
Digital input	4 (0-30V)	4 (0-30V)
Digital output	8 (5A, 12V)	8 (5A, 12V)
Analogue input	4 (0-30V) single wire	3 (0-30V) single wire, 1 (4-20mA)
Analogue output	2	2
RS485	1	1
Counter input (0-1000 Hz)	0	0
Hour meter	1	1
LED indication	NA	NA
Physical specification		
Dimension	158 * 126 * 42.50 (LWH)	158 * 126 * 42.50 (LWH)
Operating environment		
Operating temperature	-10 to +70 deg C	-10 to +70 deg C
Operating humidity	85 Rh	85 Rh
Vibration	2g, 10-150 Hertz	2g, 10-150 Hertz
Enclosure ingress protection (IP)	IP 65 (Front), IP 20 (Back)	IP 65 (Front), IP 20 (Back)