



T260

260 Ah | 12 V | 100 h

Specifications

Voltage	12 V
Nominal Capacity	260 Ah @ 100 hour-rate
Number of Cells	6
Internal Resistance	Approx. 4.8 mΩ
Design Life	15 years (floating charge)
Self Discharge	Monthly rate < 3% @ 25 °C Recharge after 6 months Charge before using

Temperature Ranges

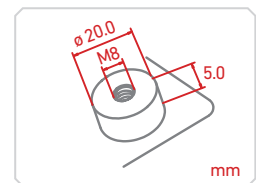
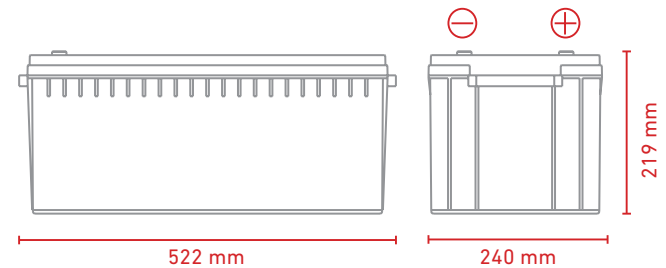
Normal Operation	25 °C ± 5 °C
Discharging	-40 °C to 60 °C
Charging	-20 °C to 50 °C
Storage	-40 °C to 60 °C

Charging & Discharging

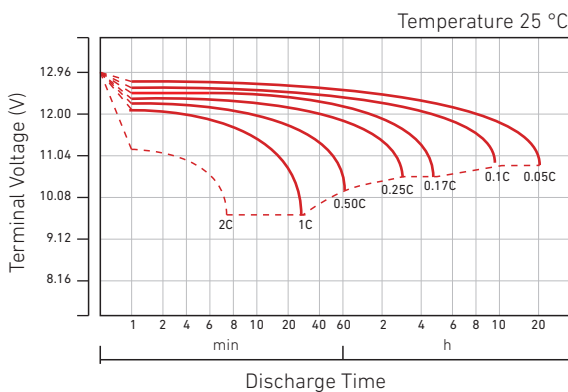
Max. Charging Current	45.0 A
Max. Discharge Current	2250 A (5 sec)
Float Charging Voltage	13.6 V to 13.8 V @ 25 °C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.2 V to 14.4 V @ 25 °C Temperature Compensation: -4mV/°C/Cell
Reference Capacity	C3 154 Ah C5 174 Ah C10 198 Ah C20 228 Ah C100 260 Ah

Mechanical Specifications

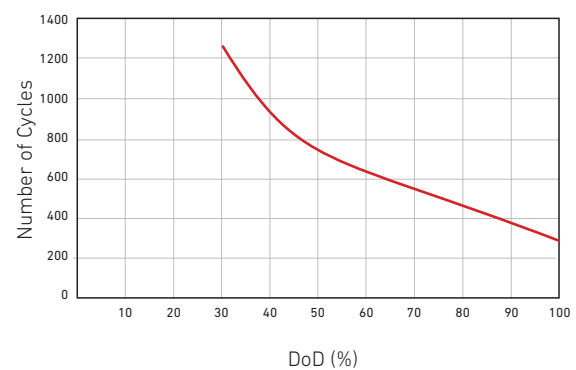
Measurements (L x W x H)	522 x 240 x 219 mm
Weight	Approx. 63.0 kg
Terminals	F10 ((M8))
Case material	A.B.S. UL94-HB, UL94-V0 Optional



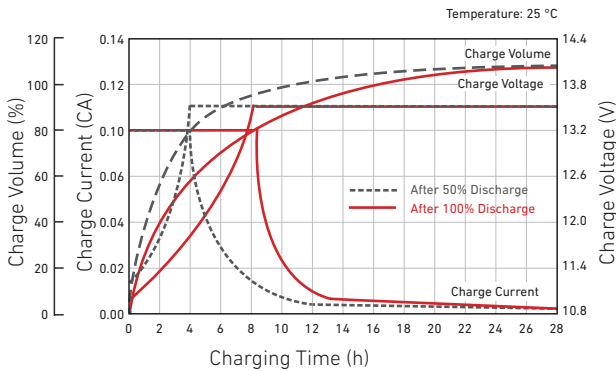
Discharge Characteristics Curve



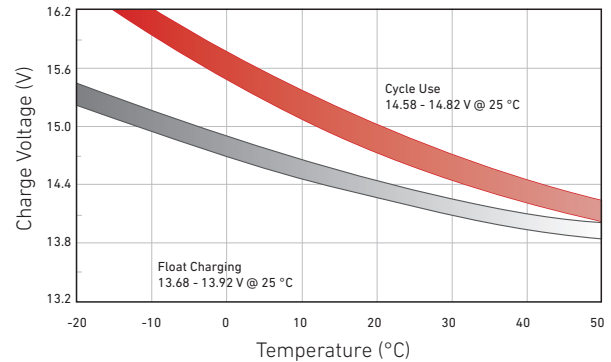
Cycle Life in Relation to Depth of Discharge



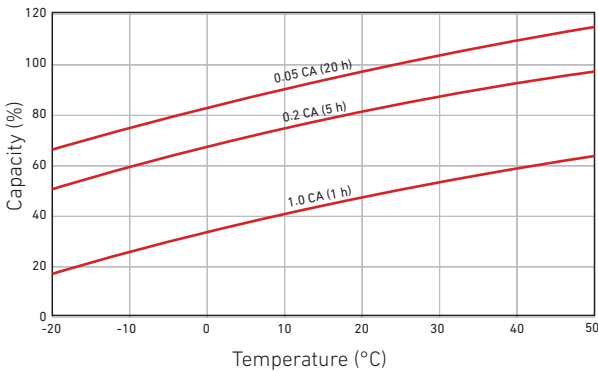
Charge Characteristics Curve For Cycle Use (IU)



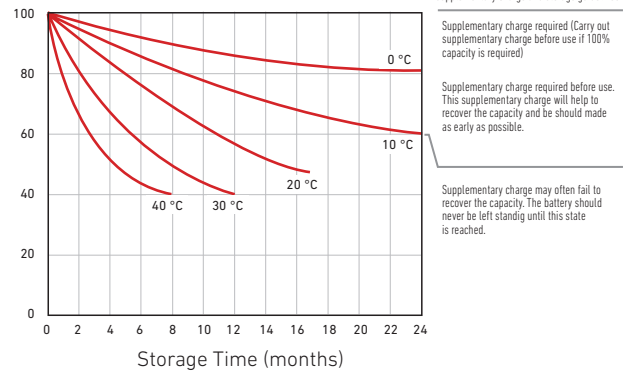
Relationship Between Charging Voltage and Temperature



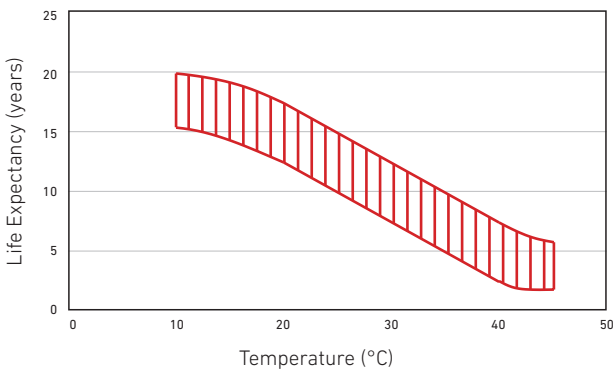
Temperature Effects on Capacity



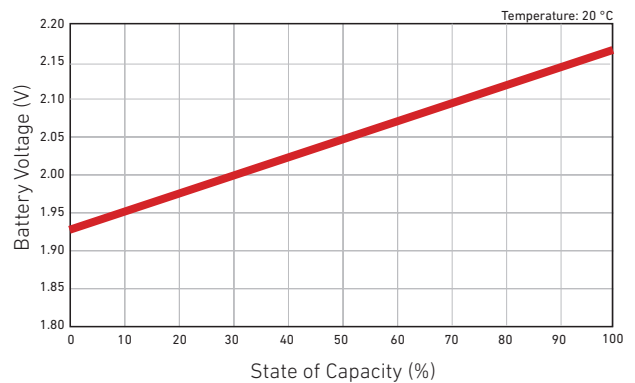
Storage Characteristics



Effect of Temperature on Long-Term Life



Relationship of OCV and State of Charge



Constant Current Discharge Characteristics: A (25 °C)

F.V	Time										
	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h	100 h
1.60 V	307,9	206,3	125,8	75,3	52,0	42,6	34,9	24,0	20,3	12,4	2,67
1.65 V	301,5	204,5	125,2	74,7	51,8	42,4	34,7	23,8	20,1	11,9	2,57
1.70 V	296,8	203,2	124,0	74,1	51,4	42,2	34,5	23,6	19,9	11,6	2,50
1.75 V	285,9	200,1	122,9	73,6	51,2	41,8	34,1	23,5	19,7	11,3	2,43
1.80 V	266,6	193,2	120,0	72,2	49,8	40,9	33,5	23,1	19,5	10,6	2,28
1.85 V	241,9	182,7	114,0	69,0	47,6	38,9	32,0	22,1	19,0	10,1	2,18

Constant Power Discharge Characteristics: WPC (25 °C)

F.V	Time										
	15 min	30 min	1 h	2 h	3 h	4 h	5 h	8 h	10 h	20 h	100 h
1.60 V	564	392	242	148	103	84,7	69,4	47,8	40,5	21,9	4,72
1.65 V	555	387	242	147	103	84,6	69,2	47,6	40,2	21,5	4,64
1.70 V	549	389	240	146	103	84,4	69,0	47,3	39,9	21,1	4,55
1.75 V	530	383	238	145	102	83,6	68,1	46,9	39,5	20,7	4,46
1.80 V	495	371	233	143	99,6	81,7	66,9	46,1	39,1	20,3	4,38
1.85 V	451	352	223	138	95,3	77,8	64,0	44,2	37,9	19,1	4,12