



Pylontech, the Force Awakens



CYLINDRICAL CELL

Pylontech's super high rate cylindrical cells are developed with our own C60 power type cathode material, the super low impedance gives super high power up to 40C, the self-developed structure gives performance even under very low temperature (-40 °C). This cell had been widely deployed in the high end cloud computing system, high rate UPS system, and high end starting battery.

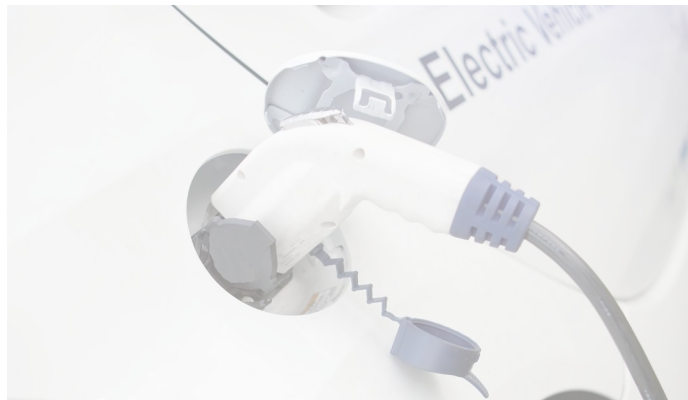
|| Advantage

Up to 40C discharging rate champions the industry. Could discharge more than 70% energy even under -40 °C

Energy density 125 Wh/Kg

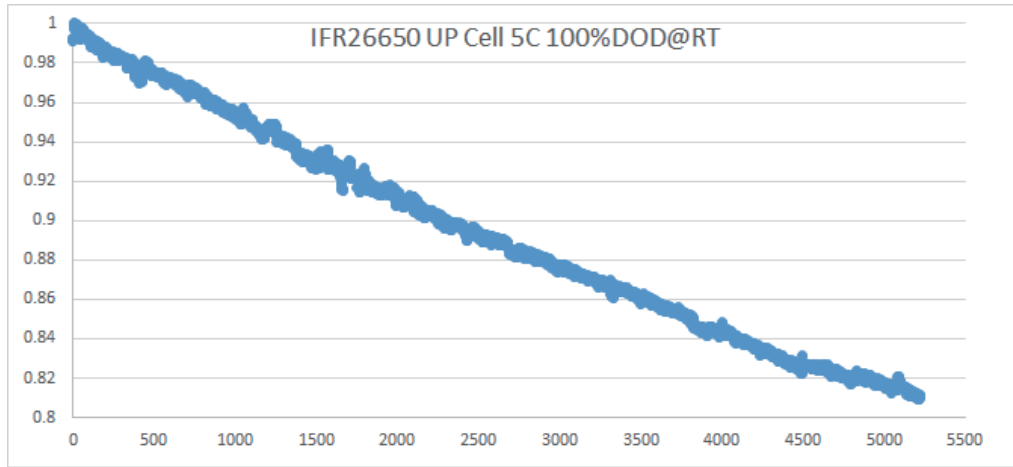


Safety cert: CE, IEC62133, ROHS, UL

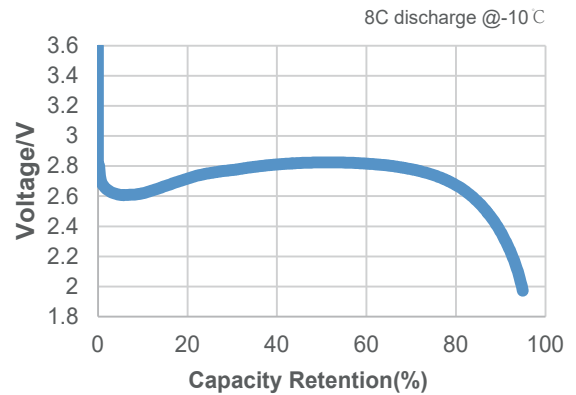
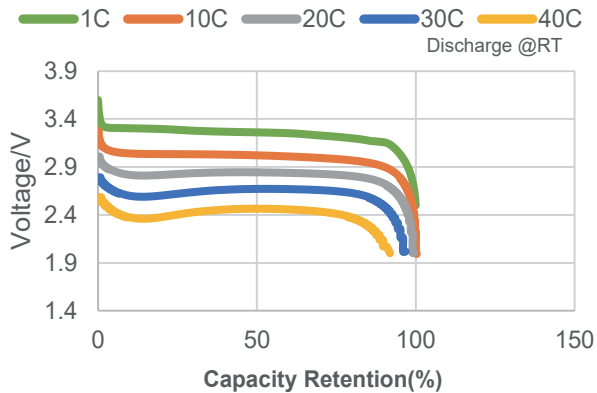


Performance Test

IFR26650UP



Cycle Number



Specification

Item	IFR18650XP	IFR18650UP	IFR26650XP	IFR26650UP	Remark	
Standard Charge	0.2C to 3.65V CC/CV	1C to 3.65V CC/CV	0.2C to 3.65V CC/CV	1C to 3.65V CC/CV	@ 25°C	
Standard Discharge	0.2C to 2.5V	1C to 2.5V	0.2C to 2.5V	1C to 2.5V	@ 25°C	
Rated capacity/Ah	1.1	1.1	2.5	2.5	Standard Charge	
Minimum capacity/Ah	1.0	1.0	2.4	2.4	Standard Charge	
Nominal Voltage/V	3.2	3.2	3.2	3.2		
Internal Resistance/mΩ	≤10	≤10	≤6	≤6	AC 1kHz	
Cycle Life	> 5000 @2C/-3C	> 5000 @5C/-5C	> 5000@2C/-3C	> 5000@5C/-5C	@ 25°C, 100%DOD	
Charge Voltage Limit/V	3.60±0.05	3.60±0.05	3.60±0.05	3.60±0.05	@0-55°C	
	3.70±0.05	3.70±0.05	3.70±0.05	3.70±0.05	@20-30°C	
Discharge Voltage Cut/V	2.5	2.5	2.5	2.5	Standard	
	1.5	1.5	1.5	1.5	< 10°C or C-Rate > 5C	
Nominal Charge Duration/h	5.5	1.1	5.5	1.1	Standard Charge	
Max Continuous Charge Current/A	4	11	6	20	20~40°C	
Max Continuous Discharge Current/A	33	44	75	100	Cell surface temperature < 80°C	
Working Temperature	Charge	0-60	0-45	0-60	0-45	Cell temperature < 60°C
	Discharge	-30~60	-45~55	-30~60	-45~55	Cell temperature < 60°C
Shelf Temperature	-40~60	-40~60	-40~60	-40~60		
Humidity	65±20%	65±20%	65±20%	65±20%		
Warranty	1 Year	1 Year	1 Year	1 Year	Standard Charge	
Weight/g	40±3	40±3	83±3	83±3		