

## power one 675 charger

for rechargeable power one Ni-MH hearing aid cells ACCU plus 675



Brand: power one  
 Article number: 57048 210 300  
 Dimensions: 74mm x 54mm x 10mm (L x W x H)  
 Weight: 70 g

### Features:

- Charge 1 or 2 P675accu;
- Discharge to define the state of charge (SOC = 0%) partially discharged cells.
- Monitor Voltage and charge time for safety termination and Fast Charge termination.
- Two LEDs show the whole work state;
- Standby controller consumption : Max < 1mA.
- Button cell's leakage current: MAX< 20uA .

### Parameter:

P675 charger parameter				
Sequence	Item	Specification		
1	Supply Voltage	DC5V ± 10%		
2	Battery Type	NiMH button P675accu		
3	Precharge	Battery isn't invert and Vbat ≤ 0.1V		
		Current: 17 mA ± 5% Precharge timeout: 20 sec.		
4	Discharge	0.95 V ≤ Vbat < 1.35V at startup		
		Discharge current: 35 mA at 1.35V		
		Termination voltage: 0.9V ± 5%		
5	Fast Charge	0.1V ≤ Vbat < 0.95 V at startup or discharge over	When Vbat over 1.65V, turn to Top off charge.	
		Current: 17 mA ± 5%		
		Fast charge timeout: 5H ± 3%		
		Threshold Voltage , voltage MAX: 1.65V		
6	Top off charge	1.35V < Vbat ≤ 1.75V at startup or Fast charge over		
		Current: 1/5fast (about 3.4mA)		
		Top off charge timeout: 2.5H		
7	Warning	Any time Vbat > 1.75V		
		Battery invert		
		Battery error		
8	Start charging	DC cable plug into the charger	Start charging when all these conditions have been prepared.	
		One or both of the button cell have been installed		
		The button cell's voltage is within 0.1V to 1.75V		
9	Stop charging	DC cable have been pulled off from the charger	Stop charging when any one of these conditions has happened	
		All the button cell have been taken down		
		Charge timeout		
		When detect the button cell's voltage over 1.75V		
10	LED indication	Charging/Precharging	On 100ms Off 900ms	Green LED
		Discharging	On 1500ms Off 500ms	Green LED
		Top off charging	On 100ms Off 3900ms	Green LED
		Charge high /Invert	On 100ms Off 100ms	Green LED
		Charge over	Always on	Green LED

For detailed electrical information, please refer to  
 VARTA Microbattery GmbH, Daimlerstrasse 1, 73479 Ellwangen, Germany