## **h8fg r]sln:6 – ;f}o{ klDkª k|0ffnL**

ldlt: ***[ldlt pNn]v ug{'xf];\ . ]*** ………………………………………………….

kl/of]hgfsf] gfd: ***[kl/of]hgfsf] gfd pNn]v ug{'xf];\ . ]*** ………………………………

kl/of]hgfsf] 7]ufgf: ***[kl/of]hgfsf] 7]ufgf pNn]v ug{'xf];\ . ]*** …………………………………

k|b]z: ***[k|b]zsf] gfd pNn]v ug{'xf];\ . ]*** …………………………………………

# s= k|0ffnLsf] r]shfFr ug{'cl3

|  |  |
| --- | --- |
| !. | ljw't;Fu sfd ubf{ plrt ;'/Iff k|lqmof / pks/0f k|of]u ug{'xf];\ . |
| @. | ;a} l8:sg]S6/x¿df r]tfjgL ;+s]t /x]sf] / aGb (off) ul/Psf] k'li6 ug{'xf];\ . o;n] /fd|f];Fu kl/If0f gu/];Dd nfOgdf kfj/ cfpg g;Sg] ;'lglZrt u5{ / r]tfjgL ;+s]tn] aS;df nfOe sG8S6/x? x'g ;Sg] eg]/ c?nfO{ r]tfjgL lbG5 . |

# v= lkle P/]

|  |  |
| --- | --- |
| !. | ;a} df]8\o"nx¿ dfplG6ª a|fs]6x¿df ;'/lIft ¿kdf ;+nUg 5 jf 5}g ;'lglZrt ug{'xf];\ . |
| @. | df]8\o"nx¿ / h+Szg aS;x¿df s]lx Iflt ePsf] jf tf/x¿ v's'nf] ePsf] lgl/If0f ug{'xf];\ . |
| #. | ;a} df]8\o"nx¿sf] sg]S6/x? 6fO6 5g\ ls 5}gg\ hfFr ug{'xf];\ . |
| $. | k|To]s Combiner box vf]Ng'xf];\ / ;lx ef]N6]h hfFr u/]/ k|To]s l;l/h :6«Lªdf v'nf ;ls{6 ef]N6]h (Open Circuit Voltage) k/LIf0f ug{'xf];\ . ;a} DC 6ld{gnx¿df 6s{ k'gM hfFr ug{'xf];\ . |
| %. | k|0ffnLnfO{ kfj/ ck ug{' cl3, clGtd P/] a|]s]/x?df, ;lx ef]N6]h / sg]S;g l7s /x]sf] hfFr u/]/ v'nf ;ls{6 ef]N6]h kl/If0fx¿ bf]xf]of{pg';\ . |
| ^. | df]8\o"nx¿ u|fp08 ul/Psf] sG8S6/nfO{ cj/f]w gu/L df]8\o"nsf tf/x? x6fpg ;lsG5 eg]/ hfFr ug{'xf];\ . |
| &. | df]8\o"nx¿df n]jnx¿sf] nflu hfFr ug{'xf];\ .  ædf]8\o"nx¿sf] 6ld{gn jf ln8x¿df +/- lrGx nufOPsf] x'g'kb{5 . df]8\o"nx¿\sf] l:6s/df ;'/Iffsf] nflu clwstd cf]e/ s/]G6 pks/0f d"Nof+sg / !\_ v'nf ;ls{6 ef]N6]h (Open Circuit Voltage) @\_ ck/]l6ª ef]N6]h #\_ clwstd ef]N6]h $\_ck/]l6ª s/]G6 %\_ ;6{ ;ls{6 s/]G6 ^\_ clwstd kfj/ n]lvPsf] x'g'kb{5 ." |

# u= jfol/ª

|  |  |
| --- | --- |
| !. | P/]df h8fg ePsf tf/x/sf] ;xL /]l6ª, o"eL–;+/lIft OG;'n]zg / gfËf] 5 jf 5}g To;sf] hfFr ug{'xf];\ . |
| @. | ;a} tf/x¿ / sG8\o{'6x? plrt ¿kdf /]l6ª ul/Psf], ;kmf / /fd|f];Fu h8fg ePsf 5g\ jf 5}gg\ hfFr ug{'xf];\ . |
| #. | :6«]g l/lnkmx¿÷s]an SNofDkx¿ ;a} tf/x¿df ;xL ?kdf h8fg ul/Psf] 5 eg]/ hfFr ug{ tf/x¿ xNsf tfg]/ hfFr ug{'xf];\ . |
| $. | ;a} pks/0fx¿sf] u|fpl08ª‌ s08S6/x¿ xl/of] jf gfËf] tfdfsf] kftf /x]sf] ;'lglZrt ug{'xf];\ . |
| %. | lk=le= ;ls{6sf] sG8S6/ /]l6ª slDtdf /]6]8 ;6{ ;ls{6 s/]G6sf] !%^Ü k|ltzt 5 elg hfFr ug{'xf];\ . |
| ^. | ;a} h+Szg aS;x¿ kx'Frof]Uo 5g\ elg hfFr ug{'xf];\ . |

# 3= cf]e/ s/]G6 ;'/Iff

|  |  |
| --- | --- |
| !. | lk=le= ;ls{6sf] cf]e/ s/]G6 pks/0f /]l6ª slDtdf /]6]8 ;6{ ;ls{6 s/]G6sf] !%^Ü k|ltzt 5 elg hfFr ug{'xf]; . |
| @. | l8=l; ef]N6]h / s/]G6 /]l6ªx? cf]e/ s/]G6 ;'/Iffdf :ki6 ¿kdf pNn]v ul/Psf] 5 jf 5}g hfFr ug{'xf];\ . |

# ª= ;f}o{ kDksf] nflu OGe6{/x?

|  |  |
| --- | --- |
| !. | ha l8:sg]S6x¿ aGb (off) x'G5g\, ta k|f/lDes h8fgkl5 v's'nf] x'g ;Sg] s'g} klg sg]S6/x? 6fO6 ug{ OGe6{/df ;a} ljB'lto 6ld{gn h8fgx?nfO{ k'gM 6s{ hfFr ug{'xf];\ . |
| @. | OGe6{/ Dofg'cndf hfFr ug{'xf];\ ls /]s8{ ul/Psf] Go"gtd tfkqmdsf] cj:yfdf P/] cf]kg ;ls{6 ef]N6]h OGe6{/sf] clwstd ef]N6]h cg';f/ l:jsfo{ 5 . |
| #. | OGe6{/ cg ePkl5 / ;~rfngdf cfPkl5 clwstd kfj/ kf]OG6 6«\oflsª (MPPT) ;~rfng eOx]sf] 5 ls 5}g hfFr ug{'xf];\ . of] hfFr v'Nnf cfsfz x'Fbf ug{'xf];\ / ;Dej eP;Dd k|0ffnLsf] kfj/ pRr ljGb'df k'u]/ tn emg]{ cj:yf;Dd P/]sf] Open circuit voltage nfO{ cg'udg ug{'xf];\ . k|0ffnLsf] ef]N6]h tn / dfly u/]/ w]/}k6s ;dfof]hg geP;Dd o;nfO{ cg'udg ul//xg'xf];\ . |
| $. | k/LIf0fsf] cj:yfsf] nflu ck/]l6ª ef]N6]h ck]lIft pRr kfj/ ef]N6]hsf] glhs 5 eg]/ hfFr ug{'xf];\ . of] w]/}h;f] pTkfbsx¿sf] Dofg'cndf n]lvPsf] kfOG5 . |
| %. | pTkfbssf] Dofg'cnaf6 OGe6{/ ;+rfng / ;'? ug]{ k|lqmof ckgfpg'xf];\ . |
| ^. | OGe6/ km]n ePdf s] ug]{ eg]/ ck/]6/nfO{ lgb]{zg lbg'xf];\ / :6f6{–ck k/LIf0f ul/Psf] l/kf]6{ k|bfg ug{'xf];\ . |

# r= l8:sg]S6x¿

|  |  |
| --- | --- |
| !. | l8:sg]S6x¿ cem} ns ul/Psf 5g\ / r]tfjgL n]an cem} klg oyfjt 5 elg hfFr ug{'xf];\ . |
| @. | k|0ffnLdf pks/0fsf ;Dk"0f{ efux¿sf] kfj/ ljR5]bg / cnu ug{ ;Sg] dfWodx¿ 5g\ elg k|dfl0ft ug{'xf];\ . |
| #. | olb ˆo'hx¿ k|of]u ul/G5 eg], b'j} 5]paf6 kfj/ ljR5]bg ug]{ dfWod 5 elg hfFr ug{'xf];\ . |
| $. | l:jrx¿ kx'Frof]Uo / :ki6 ¿kdf n]jn ul/Psf] ;'lglZrt ug{'xf];\ . |
| %. | kfj/ ckm ul/Psf] ˆo"h / ;ls{6 a|]s/x¿sf] lg/Gt/tf hfFr ug{'xf];\ . |
| ^. | ;+rfng ubf{ l:jrx¿df ef]N6]h 8«k hfFr ug{'xf];\ . |

# 5= kDk

|  |  |
| --- | --- |
| !. | kDk ;lx;Fu hf]l8Psf] 5 elg hfFr ug{'xf];\ . -pTkfbssf] l;kmfl/z cg';f/\_ |
| @. | kDkdf s]jn h8fgx¿ l7s;Fu ul/Psf] / OG;'n]6]8 5 elg hfFr ug{'xf];\ . |
| #. | kDksf] ;~rfngsf] qmddf sDkg (vibration) / s'g}klg c;fdfGo cfjfhsf] nflu hfFr ug{'xf];\ . |
| $. | 8«fO /g /f]Sg ˆnf] l:jr pko'Qm :yfgdf h8fg ePsf] 5 elg hfFr ug{'xf];\ . |

# h= u|fpl08ª

|  |  |
| --- | --- |
| !. | l8=l; ;ls{6x?df Pp6f / P=l;= ;ls{6x¿df Pp6f u|fp08 h8fg -u|fp08 sG8S6/b]lv u|fpl08ª sG8S6/\_ Pp6} ljGb'df hf]l8Psf] k|0ffnL u|fpl08ªsf] nflu k|of]u eO/x]sf] 5 elg hfFr ug{'xf];\ . |
| @. | pks/0f u|fpl08ª sG8S6/x? / k|0ffnL u|fpl08ª sG8S6/x? hldgdf ;Dej eP;Dd 5f]6f] b'l/df 5 eg]/ hfFr ug{'xf];\ . |
| #. | s/]G6 gaUg] efux¿ l7s;+u u|fp08 ul/Psf] 5 eg]/ hfFr ug{'xf];\ . -P/] k|m]dx¿, aS;x? cflb\_ . |
| $. | cfjZos k|0ffnLx¿df u|fp08 kmN6 ;'/Iff ;dfj]z ug{'xf];\ . |
| %. | u|fpl08ª k|0ffnLsf] hldgdf k|lt/f]w hfFr ug{'xf];\ . |
| ^. | pks/0f u|fpl08ª sG8S6/ xl/of] jf gfª\uf] tf/ xf] / ;lx cfsf/sf] 5 elg hfFr ug{'xf];\ . |

# em= kfgL ;+sng / ljt/0f k'jf{wf/x¿

|  |  |
| --- | --- |
| !. | t];f]{ /lkmª lkmN6/sf] cfofd / lgdf{0f sfo{ -lkpg] kfgL cfof]hgfx¿sf] nflu dfq\_ ;Gtf]ifhgs 5 elg hfFr ug{'xf];\ . |
| @. | ;+sng 6\of+ssf] cfofd / lgdf{0f sfo{ ;Gtf]ifhgs 5 egL hfFr ug{'xf];\ . |
| #. | ljt/0f 6\of+ssf] cfofd / lgdf{0f sfo{ ;Gtf]ifhgs 5 egL hfFr ug{'xf];\ . |
| $. | ;a} KnlDaª / lkml6ª h8fgx¿ plrt ¿kdf h8fg ul/Psf] 5 / r'xfj6 lagf sl;Psf] 5 elg hfFr ug{'xf];\ . |
| %. | lkpg] kfgL kl/of]hgfx¿sf] nflu, ;Gtf]ifhgs sfo{;Dkfbg ;'lglZrt ug{ kfgL ld6/x¿sf] sfpG6/ hfFr ug{'xf];\ . |
| ^. | ;a} ljt/0f laGb'x¿ hfFr ug{'xf];\ / ;+rfngsf] qmddf kof{Kt kfgL pknJw ePsf] ;'lglZrt ug{'xf];\ . |

# `= ;/Iff

|  |  |
| --- | --- |
| !. | ;a} ˆo"h jf ;ls{6 a|]s/nfO{ n]jn ug{'xf];\ . |
| @. | pks/0fsf] k|j]zåf/df ;fOgaf]8{ /fVg'xf];\ h;n] kfj/ >f]t lsl;dsf] hfgsf/L lbG5 . |
| #. | PV k|0ffnL ljR5]b ljGb'df lrGx /fVg'xf];\ h;df ck/]l6ª s/]G6, ck/]l6ª ef]N6]h, clwstd k|0ffnL ef]N6]h / ;6{ ;ls{6 s/]G6 n]lvPsf] 5 . |
| $= | glhs}sf] leQfdf jf ;lhn} b]lvg] 7fpFdf, n]ldg]6 ul/Psf] ck/]l6ª sfo{ljlw /fVg'xf];\ tfls ;a}n] ;lhn} ljj/0fx¿ b]Vg ;s'g\ . |